



RELEASE NOTES

Release 10.1, 10.1-MP1 - MP7

February 14, 2023

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10.1 Release Notes

Some of the highlights of the 10.1 release include updates in the following areas:

- Multitenant Software as a Service (SaaS) with full support for all data domains on Cassandra, including Customer Master Data Management and Automotive
- User experience with brand and style makeover, improved error handling, and user-defined messaging
- Syndication experience improvements with tailored views for sales users, support for product families, and side-by-side comparison and quality scores

New commercial licensing options introduced in 10.1 are:

- Data preparation and list processing that leverages data as a strategic asset by exploring, combining, cleansing, deduplicating, and transforming data prior to business process consumption
- Supplier Self-Service onboarding that improves the vetting, onboarding, and management of new and potential suppliers
- SAP-certified DEBMAS / CREMAS connectivity providing a SAP-certified integration approach, which has been pretested ensuring quick and easy integration with SAP

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 a particular 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 10.1 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.

If / when applicable at the time of your installation, read the maintenance patch notes for 10.1 to understand the full scope of changes for the 10.1 release and subsequent patches.

Enhancement Requests

Customer satisfaction is top priority for Stibo Systems. Many of the changes available in 10.1 are implemented as solutions to enhancement requests that customers have submitted. These projects represent nearly 100 enhancement requests received by Stibo Systems. The updates that were made as part of the enhancement request process are included in the Enhancement Requests release note later in this release note set.

Academy and Community Resources

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

All customers and partners are encouraged to join a Stibo Systems Community 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:10.1
```

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

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

10.1 Upgrade Guide

Summary

Before upgrading the platform and its add-on components, there are certain system changes that customers need to be aware of when moving to 10.1 from an earlier version. This list may not be comprehensive; however, along with the full release note set, it provides a starting point for upgrade evaluation.

As with every release, some components are deprecated, removed, desupported, or not backward compatible for various reasons. A list of these components can be found below. The future updates and any software end-of-life notifications are included in the Platform and Software Support Changes release note and each individual release note for items that may not be listed below.

Details

Stibo Systems' branding updates

Stibo Systems' branding has been updated to convey our commitment to transparency with master data management (MDM) and to also convey our Nordic heritage. Stibo Systems Enterprise Platform (STEP) Workbench and Web UI users will notice changes to logos, splash screens, login pages, fonts, icons, favicons, and general color schemes. The new branding also ties together our portfolio of solutions.



Support, platform, and system admin information

The following items are desupported with the 10.1 release:

- Oracle 12.2.0.1
- Oracle 18c (on Windows Server 2019)
- Windows 8.1 (Client)
- Windows Server 2012 R2
- Adobe Illustrator*
- Excel Office 2003**
- Office for Mac 2011 Excel**

*Customers with Illustrator installed will need to remove the component prior to upgrading. For example, apply the `./spot --apply rm:illustrator --stopped` command and then perform the upgrade (`./spot --upgrade=step:10.1`). For on-premise systems, refer to the SPOT Program documentation for more information, including how to use the SPOT `--upgrade` command to also find compatible components that can be added at the same time as the baseline patch (`--upgrade=all`) in the SPOT Program topic of the System Administration Guide found in Downloadable Documentation. For assistance, contact Stibo Systems Technical Services. For SaaS systems, contact your Stibo Systems account manager.

**Customers using unsupported Excel versions should convert import and export files, older Smartsheet versions, translations, eCatalog files, etc., to a supported version and resave prior to upgrading to 10.2 (i.e., open XLS files and resave as XLSX files). With the next feature release (10.2) in Spring 2021, the option to use unsupported Excel versions for imports and exports will be removed from the Stibo Systems Enterprise Platform (STEP) interfaces.

Support for the 9.0 version of STEP is ending June 1, 2021, and support for version 9.1 ends January 1, 2022.

Enhanced Workbench Launcher security update (upgrade recommendation)

The Workbench Launcher (the desktop-based software that allows the workbench to be started) has been enhanced to check the origin of all the workbench software downloaded from the server. The Workbench Launcher has always checked that the origin of the code that it is instructed to download was from Stibo Systems, so this added check provides additional security.

If Workbench Launcher version 7.0.19 (released after August 2020) is installed on the desktop, then it will work with all STEP versions, so upgrading all users to the latest released Workbench Launcher is recommended.

The verification improvements are available by default for all users starting with this release.

If an old workbench launcher is used with 10.1 or newer, then security is maintained, though upgrading the workbench launcher to the latest version is still recommended and highly encouraged. Upgrading allows all users to view the new splash screens and access updated documentation for Workbench Launchers. The Workbench Launcher is accessible from your system's Start Page.

In-Memory footprint reduction

Work has been done to reduce the In-Memory footprint in an effort to lower cost and scalability issues that may come about when In-Memory customers load large amounts of data to STEP. Users will be able to take advantage of these changes upon upgrade and installation of the latest 'inmemory' component. For more information about In-Memory, refer to the In-Memory Database Component for STEP topic in the Resource Materials section of the documentation.

Web UI-specific information

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

- To apply additional consistency in how Web UI elements are labeled, object names will now display instead of their IDs in four scenarios described in the 'More consistent display of names in the Web UI' subheader.
- If 'Null' has been added to a business action using the ShowAlert method on the Web UI context bind, upon updating to 10.1, that business action will no longer show any configured message and must have 'null' removed.

Web UI component lifecycle

As with every release, the product team moves older, less-utilized components into or further through the component removal process. At each stage of the component lifecycle, components can be deprecated, removed, desupported, or replaced. In some cases, components are simply renamed; in others, components are given additional functionality that may require older versions of the component be removed so the improved component can be added. These changes contribute greatly to the overall improvement of a given system, but these changes also require customer review when preparing for an upgrade. As alluded to in the previous section, the Platform and Software Support Changes release note and the full complement of 10.1 release notes are available for review, and should be consulted for relevant items that may not be listed in this guide, such as future update considerations and software end-of-life notifications that may have an impact on a system configuration.

Component lifecycle status changes

Twenty-four legacy Web UI components are moving into a new stage within the component removal lifecycle with the 10.1 release. The purpose of these component status changes is to simplify the component list, minimize support on components that have an improved substitute, and to remove clutter and uncertainty as to which component(s) to use. **For users, this means that previously superseded components are now withdrawn, and all previously withdrawn components are now being removed (deleted). Alternate components have previously been announced, and it is very important for customers to make sure they are using those recommended components prior to upgrade. Details on how to identify these components are outlined in the intro section of this topic and at the end of this section.**

For detailed information regarding component lifecycle stages and to learn more about the customer benefits of this update, refer to the Web UI Enhancements and Changes release note later in this document.

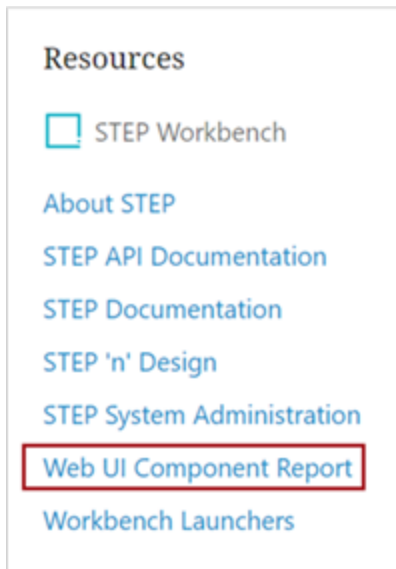
The table below lists the two components that have been withdrawn for 10.1 as well as the recommended replacement components:

Affected Component	Status	Alternate Component
Initiate Business Action Action	Withdrawn	Run Business Action
Stack Panel	Withdrawn	Global Navigation Panel

Listed below in alphabetical order are the 22 components that have been deleted with the 10.1 release.

- Advanced Merge Data Container Header (AdvancedMergeDataContainerValueHeader)
- Asset Mid Sized
- Asset Thumbnail
- Attribute Link Completeness Header
- Attribute Link Editor
- Background Process Detail
- Background Processes
- Check Duplicates Action
- Corner Bar Simple Search
- Data Container Attribute View Editor (DataContainerAttributeViewEditor)
- Deduplication List Tab Page
- Entity Summary (EntitySummary)
- Move Action
- Node Hierarchy
- Referenced By
- Referenced By Tab Page
- Run Server Script Action
- Smart Sheet Export
- Status Selector
- Status Selector Widget
- Template Title Header

If any invalid configurations exist upon upgrade, the Properties dialog (displayed when entering Web UI Design Mode) will instruct users to go to the Web UI Component Report to view and address these configurations. Examples of invalid configurations are components and/or parameters that need to be updated or removed because they are no longer valid for your data structure. The Web UI Component Report is also accessible via the Start Page.



Details about this report can be found in the Web UI Component Basics topic in the Web User Interfaces documentation.

Also, as referenced in multiple topics in online help, users can view all Web UI components and their statuses (with respect to the component removal lifecycle process) by visiting the 'Web UI component configuration reference' web page. This reference resource is available by navigating to [your system name]/webui/docs.

Additional system updates

Users should also be aware of the updates below that have user impact / action required:

- A new default file name template will be applied for several delivery methods. Without user intervention, default file names generated by existing delivery methods are changed to include a date / time stamp and in some cases, different text to indicate the selected file format. If a downstream system that consumes the exported data requires the previous default file name, manual updates must be made to the Export Manager configuration or the outbound integration endpoint (OIEP) configuration to overwrite the new default and restore the expected file name. Default file names that were modified prior to 10.1 are not changed by this update. For new exports or OIEPs in 10.1, admin users will need to change the file name template if the new default is not preferred. For more information, refer to the 'New output default file name template improvements' subheader in the Data Exchange Enhancements and Changes release note found later in this set.
- IDs will no longer be automatically applied to Image Conversion Configurations. Users that want an ID provided automatically for Image Configuration Conversions will need to provide a value for the 'ID Pattern' parameter within the Image Conversion Configuration Object Type, which is located in the Assets folder in System Setup. Users that want to manually provide an ID for an Image Conversion Configuration will be able to do so in the Image Conversion Configuration wizard during initial creation. For more information, refer to the 'Exporting and importing image conversion configurations and asset push configurations' subheader in the Data Exchange Enhancements and Changes release note found later in this set.

- Impersonation edits are now indicated as performed by the authenticated user (impersonator) instead of the previous way of doing it, which was to log transactions by the impersonated user. For more info, refer to the 'Auditability improvements to impersonation' subheader in the General Enhancements and Changes release note found later in this set.
- For systems using a Cassandra database, background process execution reports are stored in the file system instead of in the database. On clustered setups this can, for fast processes, have the effect that a process can finish before the execution report is displayed in the GUI. Work on improving this behavior is in progress.

Online Help / documentation changes

With every release, documentation updates occur. Those listed below are the most impactful changes that users should be aware of when upgrading to 10.1.

- Product MDM for Retail, located in the Solution Enablement section of the online help, has been renamed 'PIM for Retail' and the content has been updated. *Note: With the 11.0 release, the solution was renamed to Data Management Accelerator for Retail and documentation is in the Accelerator for Retail section.*
- The Matching, Merging, and Linking section of online help has been reorganized and updated. Work will continue on this section after the 10.1 release, including the inclusion / updating of supporting images.
- 10.1 videos can be found in the Communities and within Jira, the customer portal (refer to the Release Information Videos dashboard on the left navigation panel or from the Dashboards dropdown menu).
- Various online help updates have been made to match updated branding guidelines, and screenshots and such for all content will continue to be updated / introduced in 10.1 maintenance patches.
- Documentation was updated to remove information about unsupported versions. For unsupported platform versions, this includes the removal of the release and maintenance patch notes, which are still accessible via the customer portal (Jira) within the Release Information dashboard. Product MDM for Automotive 8.3 release and maintenance patch notes were also removed and can be provided upon request.
- New topics were added to provide ReplacementRules examples and can be found under the ReplacementRules Tag in STEPXML section in the STEPXML Format > Data Formats > Data Exchange documentation.

Enhancement Requests

Summary

Customer satisfaction is 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 10.1 are implemented as solutions to these requests and outlined below.

Additional customer-requested enhancements not listed below may have been completed as part of previously planned roadmap-driven projects, as well as for specific product lines and/or customers, and are therefore not globally applicable.

Details

Solutions are listed below with the parent release note indicated.

- A new metadata attribute solution is available for creating user-friendly error messages for all attribute validation errors, which is especially useful for more complex validations such as regular expression.
- Support for rendering multiple image tags in text-based attributes in InDesign.
- For users with the STEP Single Sign On - SSO commercial license activated, it is now possible to log out of the Stibo Systems Enterprise Platform (STEP) without logging out of the IDP. This logout option will invalidate the STEP session and present a successful logout page on the STEP side while the IDP remains logged in. To enable this configuration, set 'SAML.IdentityProvider.[ConfigName].GlobalLogoutDisabled' (where ConfigName is an entry from 'SAML.IdentityProviders.Names') to 'true.'
- In workbench, when a change is made to a privilege, the log specifies exactly what occurred.

Read more about these in the General Enhancements and Changes release note.

The following changes are described further in the Web UI Enhancements and Changes release note.

- The 'Run Business Action' component now supports localized messages shown to users based on the selected locale.
- Enhancements to the Run Business Action (formerly Business Action with Web UI Bind) include three parts: ability to configure a confirmation dialog is shown upon clicking the button before the business action is executed; toolbar activation so that it is possible to use action to create new objects; a new optional parameter is added to the component to allow a business condition to determine whether the button is shown or not.
- Improved mapping of LOVs in Simple Import Widget.
- Updated the Summary Cards for Node Details screens to display the user name (or ID if no name is present) of the user who last edited the object being viewed (instead of just displaying the date).
- Several Web UI components were missing the inheritance indicators for both attributes and references, particularly when in Node Lists. These have been updated so that the inheritance arrow is present for both hierarchical and context inherited values and references.

- Object names will now display instead of their IDs in four scenarios as specifically described in the 'More consistent display of names in Web UI' subheader.
- The 'References' and the 'ReferencedBy' criteria in the Web UI Advanced Search have been updated to include a new 'Search Below' option.
- Users can now easily reset forgotten passwords via the Web UI.
- It is possible in the Web UI to add users to groups when creating a new user and also to add or remove users from groups on the User Details screen.
- Search Screen improvements for faceted search include the ability to search for blank facets and uploaded files can be searched by name instead of a list of IDs. Also, the 7.9.1 version of Elasticsearch and Kibana are supported.
- Users are now able to change the locale of the Web UI being viewed without having to log out.
- The Sequence Display Mode on a Node List in Web UI is now extended to support classifications.
- Users can export data from Node Lists that include, for example, a parent or grandparent. A new table header can return the node from a business function.
- It is now possible to open an object from a Task List in a new tab on a web browser.
- Improved messages are available for workflow errors and warnings.

Details on the bullets below can be found in the Data Exchange Enhancements and Changes release note.

- BMEcat users can now map eCatalogs in an OIEP and Export Manager so that commercial terms can be included in exports.
- A new default file name template will be applied for several delivery methods. For new exports or outbound integration endpoints, admin users will need to change the file name template if they do not want the new default. Without user intervention, existing delivery methods are not changed.
- Now, when a business condition running during import in an IIEP or Import Manager rejects an item because it did not meet the condition, the execution report can log a warning instead of an error.
- It is possible to configure Smartsheet exports to use the same mandatory flags on attributes and reference types that are maintained in workbench and make those attributes and references mandatory in Smartsheets.
- Support for exporting / importing image conversion configurations and asset push configurations when using the STEPXML format is now available. Additionally, image conversion configuration IDs are no longer automatically auto-generated; instead, users can now choose to have image conversion configuration IDs auto-generated or provide the IDs manually.
- Workbench users can export Background Process (BGP) execution reports as a CSV file as well as an HTML file, and users can also select a zipped CSV file for certain execution reports.

The Enhanced Translation Functionality release note expands on the next bullet.

- Several translation functionality updates were made including the added ability to save configurations to be used later, and the ability to exclude attributes from translation requests.

Web UI Enhancements and Changes

Summary

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

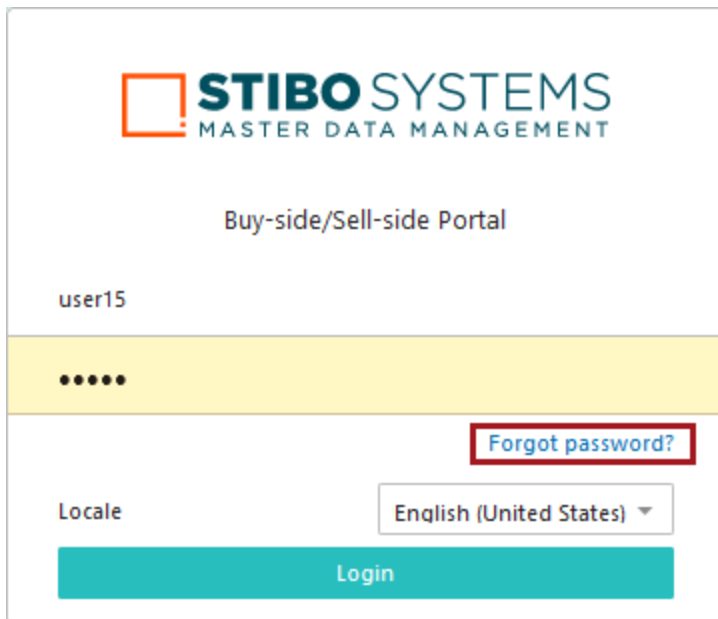
- Forgot Password functionality now available on Web UI login screen.
- Admin users now have the ability to assign a new or existing user to a user group in the Web UI.
- Users can now manage attributes and attribute groups in the Web UI by adding and deleting attributes to/from attribute groups.
- Attribute and reference inheritance indicators now display in tabular views.
- Older Web UI components are entering new phases of the component lifecycle.
- The Data Issues Report bind now supports improved error handling on attributes and references on Node List screens in the Web UI.
- Multiple exports from the Export Action and Custom Export options can now be distinguished by a unique date / time stamp in the file name, which is also now part of the background process name.
- The new Export menu on the Search Screen includes Export Current View, which allows users to export data selected on the search screen.
- Objects can now be opened from a Task List and display on a new tab in a web browser.
- The Sequencing Display Mode in Web UI has been extended to support classifications and products within classifications.
- A variety of improvements have been made on the Search Screen.
- The 'elasticsearch-integration' component used for the faceted Search Screen supports Version 7.9.3 of Elasticsearch and Kibana.
- There is now a new header for tables on a Node List that uses business functions.
- The usability of the Sufficiency Panel within Web UI has been improved.
- Users are now able to change the locale of the Web UI being viewed without having to log out of the Web UI first.
- User notifications in the Web UI involving workflow warnings and errors have been improved for greater clarity.
- Object names now display instead of their IDs in four commonly used Web UI components, including the name of the Web UI in the browser tab.
- A series of configuration updates have been made to the 'Run Business Action' component that significantly improve its utility and functionality.
- The flexibility of the 'Run Business Action' component has been updated to support localized messages shown to users based on the selected locale.
- Summary Cards now display the user name of the user who last edited the product, asset, entity, or classification being viewed.
- The Simple Import Widget has been updated to allow users to map incoming LOV values to the corresponding LOV value and/or the value ID.
- The 'References' and the 'ReferencedBy' criteria in the Web UI Advanced Search have been updated to include a new 'Search Below' option.

- Defining targets in the References component can now be done using a business function.
- The 'Does not contain' filter condition is now updated to accurately account for multi-valued cells.
- An enhancement has been added to the Custom Export Action component that improves export clarity in specific scenarios.

Details

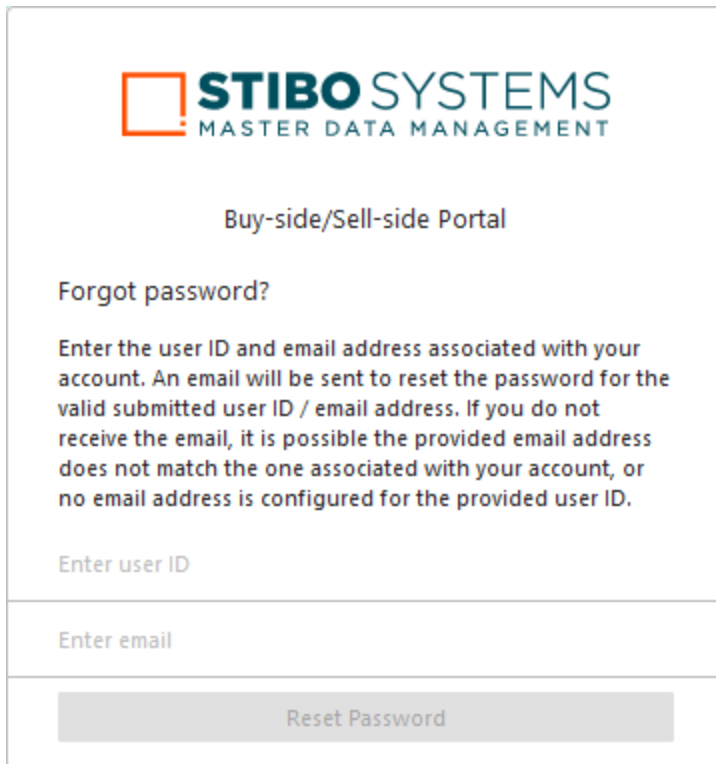
Forgot Password feature for Web UI

Users can now easily reset forgotten passwords in the Web UI.



The screenshot displays the login interface for the STIBO SYSTEMS Buy-side/Sell-side Portal. At the top, the STIBO SYSTEMS logo and the text 'MASTER DATA MANAGEMENT' are visible. Below this, the text 'Buy-side/Sell-side Portal' is centered. The login form includes a username field containing 'user15', a password field with masked characters, and a 'Forgot password?' link highlighted with a red box. A locale dropdown menu is set to 'English (United States)', and a teal 'Login' button is positioned at the bottom of the form.

By clicking the 'Forgot Password?' link located beneath the login fields, users will be redirected to a page where they are asked to supply their username and email address.



STIBO SYSTEMS
MASTER DATA MANAGEMENT

Buy-side/Sell-side Portal

Forgot password?

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

Enter user ID

Enter email

Reset Password

If the information provided matches the user data accessible in the Users & Groups node on the workbench, the system sends an email to the submitted email address that includes a link. When clicked, the user is taken to a page where they can then change their password. When complete, the user is directed back to the login page where they can enter their new password and obtain access to the Web UI. Previously, users relied on admin users to re-establish Web UI access. This method gives users the ability to independently manage their passwords and allows admin users to focus on other priorities.

It is important to note that this feature does not extend to system implementations using single sign-on (SSO) or Lightweight Directory Access Protocol (LDAP) to access the Web UI. The 'Forgot Password' option is not displayed for those users.

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

Adding users to groups in Web UI

When admin users create new user profiles in the Web UI via the 'User List' screen, they can now also select which user group or groups the new user will be added to. Previously in the Web UI, there was no ability to determine which user groups a new user was assigned to.

Create User

* ID

Name

* Password

* Repeat Password

* Groups ✕

Based on an admin user's privileges, clicking into the new 'Groups' parameter (as shown in the screenshot above) will display a dropdown of either all user groups configured on a system or just those to which the logged-in user belongs.

The new functionality respects privileges. Suppliers and vendors will be restricted from adding new users to any non-supplier / vendor user groups.

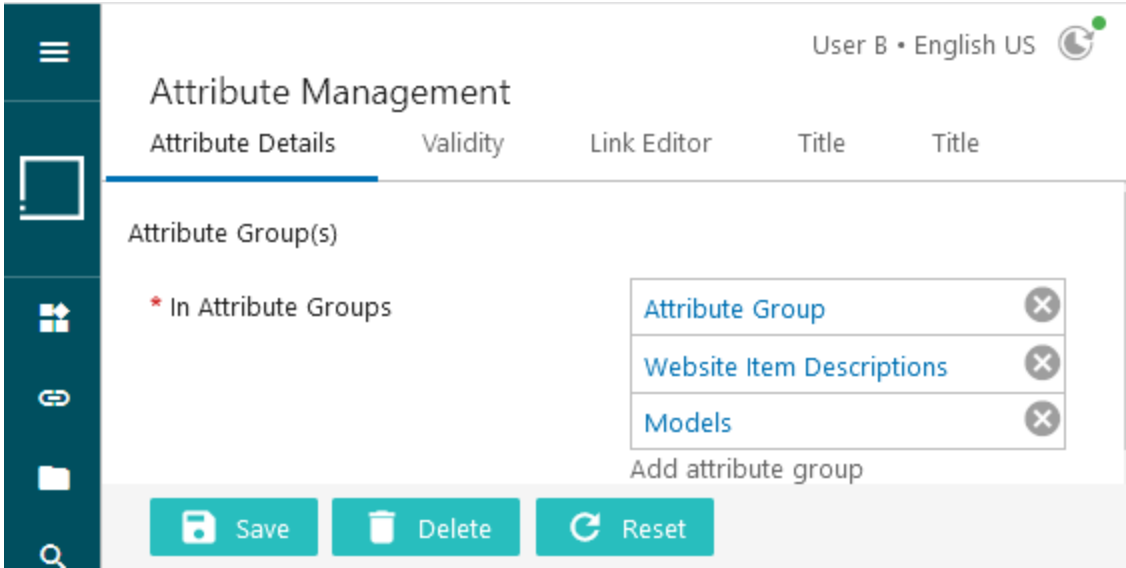
Additionally, a new 'User Groups' component can now be added to 'User Details' screens. This gives admin users the ability to edit user groups for existing users.

For more on the User List screen, refer to the User List Screen topic in the Web User Interfaces documentation.

Adding and deleting attributes to/from attribute groups in Web UI

Using the Attribute Management screen in the Web UI, users now have the ability to manage which attribute groups a given attribute is part of. With the addition of this feature, the ability to effectively manage attributes in the Web UI has taken a significant step forward. Data stewards and product managers now have the flexibility they need to effectively manage attributes and attribute groups in the Web UI.

The new 'Attribute Group(s)' parameter, provided by default on new Attribute Management screens, enables this flexibility by displaying all attribute groups an attribute is part of, and allows users to both remove an attribute from an attribute group, or add an attribute to an attribute group.



Users may also add the new field to existing Attribute Management screens by adding the new 'Attribute Groups' parameter in the designer.




If a user is not properly privileged to manage attributes in the Web UI, the list of attribute groups to which the attribute is linked will continue to display, but the edit functions (add and delete), will not be active.

For more information, refer to the Attribute Management Screen topic in the Web User Interfaces documentation.

Inheritance indicators in Node Lists and tabular display components

Attribute and reference inheritance will now be displayed to users working on data in tables via inheritance indicators. This update helps give data stewards a clearer picture of how inheritance affects their data, allowing them to more easily manage and act on the information provided.

Users working on Node Lists (viewed in Multi Edit View Mode), Multi Revision screens, and Multi Reference screens will have one of two inheritance indicators display in relevant cells on these screens:

Inherited from context	Red arrow 
Inherited from hierarchy	Green arrow 
Inherited from context and hierarchy	Green arrow 

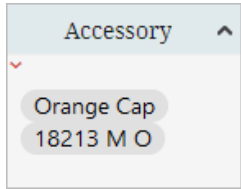
As demonstrated in this table, there are two inheritance scenarios indicated with the same green arrow.

To view which of the two scenarios is applicable, users can hover the cursor over the green arrow. Doing so will display a small information window that describes which inheritance applies to the attribute or reference in question. In the example below, the attribute is inherited from another context and from the hierarchy. Similar descriptive pop-ups will display when hovering over any of the inheritance-indicating arrows.

Color	Object Type	
Black Alloy Orange	Item	
B'dazzled Blue Aqua	Item	
Inherited from hierarchy and inherited from other context	Item	
WHITE	Item	
Kelly Green	Item	

If a multi-attribute or multi-reference cell includes a mix of inheritance types, only one inheritance indicator arrow will display. This means that only one arrow will display even if both types are represented in the cell. The rules governing this are as follows: context inheritance (red arrow) will display over hierarchical inheritance (green arrow), and a reference that is inherited both from context and hierarchy (green arrow) will display over all other types of inheritance.

Additionally, when multiple references display in a cell under the 'References' header, each reference object will now display on cards, as shown in the screenshot below. This update enhances table display and makes multi-reference presentation clearer by defining where one reference object ends and the next one begins.



For more information on inheritance via the product hierarchy, refer to the 'Inheritance in the Product Hierarchy' topic in the Getting Started documentation. For more information on inheritance via context, refer to the 'Maintaining Contexts' topic in the System Setup documentation.

Web UI Component Lifecycle Updates

Continuing with the effort undertaken with the 10.0 release, some older components are entering new phases of the component lifecycle with the 10.1 release. The purpose of moving underused or obsolete components through this lifecycle process is to ease some Web UI configuration challenges, increase the support team's

focus on the most utilized components, and to introduce more predictability into system upgrades as they relate to the Web UI.

For more information on this process, refer to the Web UI Enhancements and Changes release note from the 10.0 release.

The following components are being withdrawn:

- Initiate Business Action Action

- Stack Panel

Withdrawn components already configured will remain and function as always, but if removed, users are unable to add new instances of the component.

The following components are being deleted:

- Advanced Merge Data Container Header (AdvancedMergeDataContainerValueHeader)

- Asset Mid Sized

- Asset Thumbnail

- Attribute Link Completeness Header

- Attribute Link Editor

- Background Process Detail

- Background Processes

- Check Duplicates Action

- Corner Bar Simple Search

- Data Container Attribute View Editor (DataContainerAttributeViewEditor)

- Deduplication List Tab Page

- Entity Summary (EntitySummary)

- Move Action

- Node Hierarchy

- Referenced By

- Referenced By Tab Page

- Run Server Script Action

- Smart Sheet Export

- Status Selector

Status Selector Widget

Template Title Header

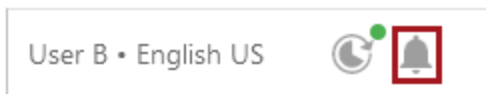
Deleted components that are configured on a system will be removed (no longer render or be shown) in the Web UI.

For a full list of components that are entering these phases, and additional information regarding how to manage the transition away from these components following an upgrade to 10.1, refer to the 10.1 Upgrade Guide.

Extended error handling for Node Lists using the Data Issues Report bind

The Data Issues Report bind now supports improved error handling on attributes and references on Node List screens in the Web UI. This update advances the ability of the Data Issues Report bind to bring timely messages into the Web UI precisely when they can be acted upon most effectively.

When used with the Run Business Action, Submit, Bulk Update, Approve, or Initiate Business Action Web UI components, the Data Issues Report bind now indicates cells in either warning or error status. Warnings will use a yellow triangle and an error will use a red circle. Users may hover over the cell to view a popup display containing the warning or error message, or they can review the warning or error message in the Warning Notification Panel. This panel is accessible by clicking the Warning Notification Panel button in the Message Area, as shown in the screenshot below.



Previously, warnings and errors triggered by running business rules that use the Data Issues Report bind were only compatible with Node Editor screens.

Specific Node List cells with warnings are shaded orange with a yellow caution triangle icon in the upper right-hand corner of the cell.

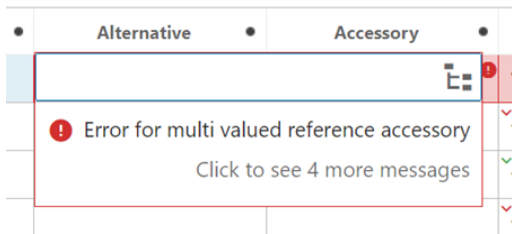
Fraction
123
123

Specific Node List cells with errors are shaded red with a dark red circle icon in the upper right-hand corner of the cell.

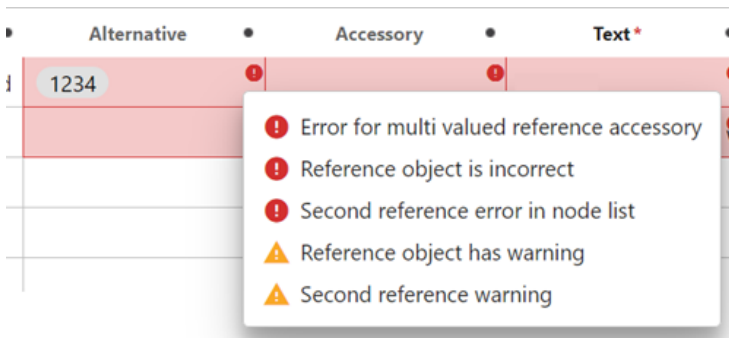
Import
2345c
dcdcd

Alternatively, the entire row can be shaded either orange or red depending on whether an error or warning is applicable.

When users hover over an affected cell that contains multiple attribute values or referenced objects, the first relevant warning or error message displays. If there are additional messages, users may click the message text to expand the popup to show all relevant messages.



Alternatively, hovering the cursor over the cell that contains errors will cause a popup to display that lists the errors.



Warnings and errors prompted via the Data Issues Report bind are visible on Node Lists only when viewed using the Multi Edit Display Mode.

For more information on the Data Issues Report bind, refer to the Data Issues Report Bind topic in the Resource Materials documentation. For more information on the components mentioned in this release note, refer to the Action Buttons topic in the Web User Interfaces documentation.

File name template updates for Export Action and Custom Export Action

Previously, by default, all data exports using Export Action or Custom Export Action created files with the same name. Now, the default template for each exported file includes a unique date / time stamp for both the file name and the background process (BGP) name. Having a unique file name that is also associated with the BGP simplifies tasks like error troubleshooting and correction for both administrators and end users. Saved export configurations are available when configuring the Export Action button and allow for static text (such as 'TakeAction' shown below) to be included in the file name as well as the BGP name. Export files can be distinguished from one another and identified based on the BGP. Links for exported files in the Web UI include a 'Save As' option on the right-click menu, allowing users to further improve the file name on local copies of exported files as needed.

This constitutes a change in functionality. If a downstream system that consumes the exported data requires the previous default file name, manual updates must be made to the configuration to overwrite the new default and restore the expected file name.

- > Active Processes (17)
- ▼ Finished Processes (50) Open Process List

Export from configuration "Hats & Caps" (TakeAction excel-2020-09-22_14.51.12.xlsx)

2020-09-22 14:51 - 2020-09-22 14:51

USERJ Download

Custom Export (excel-2020-09-22_14.45.22.xlsx)

2020-09-22 14:45 - 2020-09-22 14:45

USERJ Download

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

Export Current View available in Search Screen

Users can now easily export the data selected on the Search Screen as an Excel file for quick reporting via a background process. No export configuration is required for the new Export Current View option on the Export menu. This new option mirrors the Custom Export Action and exports the information included in the Define View setting for the selected objects.

CultureClothing

English US SallyH 🏠 ⚙️

Object type ▼ Brand - 6 ▼ Color Detail ▼ Segment ▼ Category ▼
Add Criteria...
Clear All
Search

View	Select	Sorting	Show as	Searches	Export	Actions
					Export Current View	
<input checked="" type="checkbox"/>		GTIN_1197181	Brooke Formula New Denim jacket	Primary Product Hierarchy · CultureCl...	Completely Approved	Odd
<input checked="" type="checkbox"/>		GTIN_1197189	Bruce suit jacket	Primary Product Hierarchy · CultureCl...	Partly approved	Odd
<input checked="" type="checkbox"/>		GTIN_1197213	Bundo coat	Primary Product Hierarchy · CultureCl...	Partly approved	Ang
<input type="checkbox"/>		GTIN_1200254	Carson down jacket	Primary Product Hierarchy · CultureCl...	Not in Approved workspace	Odd
<input type="checkbox"/>		GTIN_1197248	Cobro denim jacket	Primary Product Hierarchy · CultureCl...	Partly approved	Odd
<input type="checkbox"/>		GTIN_1197823	Deepak Hoodie	Primary Product Hierarchy · CultureCl...	Not in Approved workspace	For

37 items, 15 selected, sorted by Name

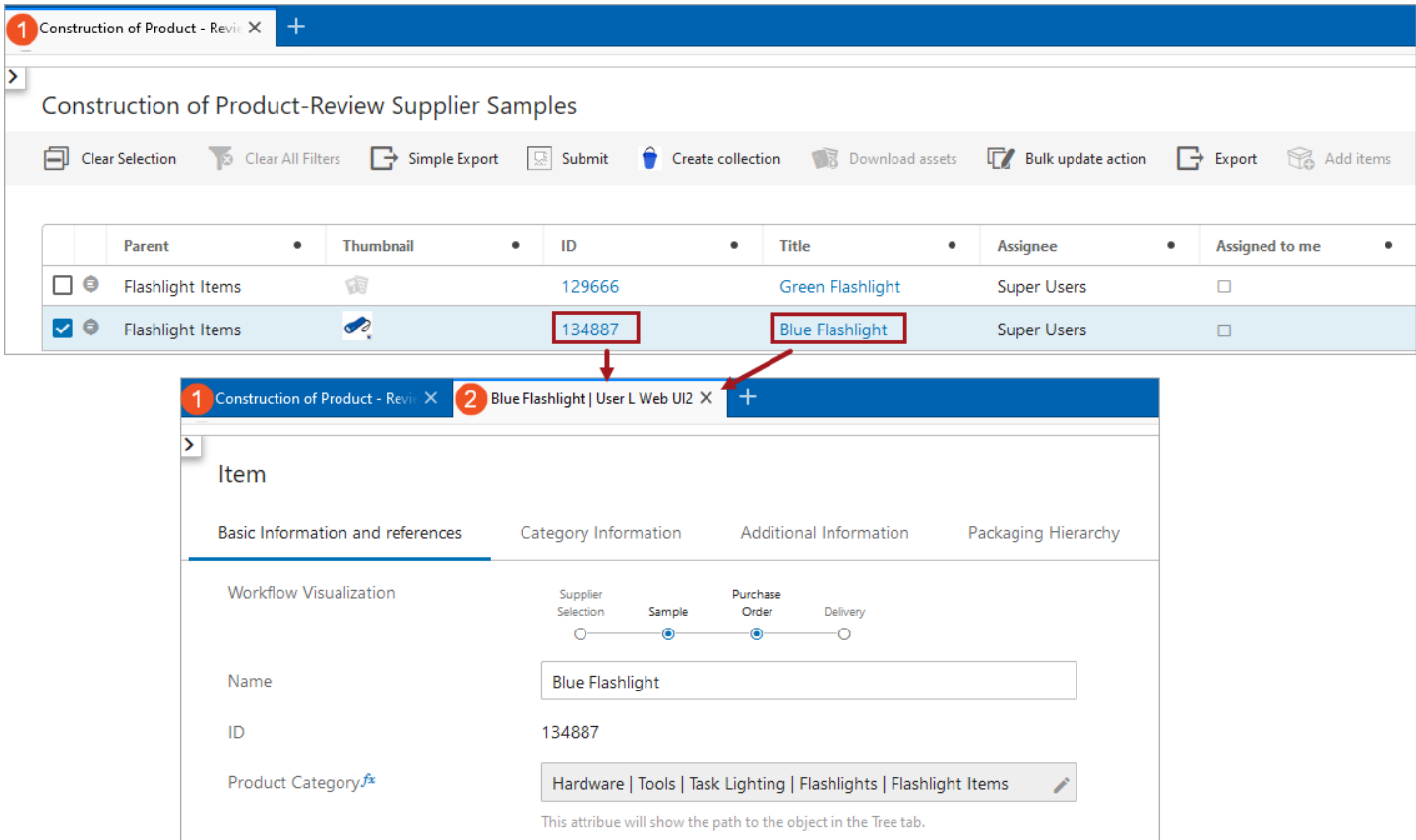
The Search Screen is activated by the Faceted Search User Experience commercial license. Contact your account manager or partner manager to begin the process of enabling a license or licenses for your system.

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

Open an object from a Task List in a new tab

It is now possible to open an object from a Task List in a new tab by pressing Control and left-clicking the ID or the Title link in the Task List. Mac users press Command and left-click the ID or Title link. The new tab opens and becomes the tab of focus.

This new feature which allows for navigation between tabs is helpful for users who want to keep the Task List open but also want to work on an object or multiple objects in a Task List simultaneously.






Sequence Display Mode now supports classifications



The Sequence Display Mode on a Node List in Web UI is now extended to support classifications. After setting the Manual Sort option on the object type of the classifications to 'yes' in workbench, users may order the classification folders as well as any products within these folders with the Sequence Display Mode in Web UI. Any changes made to the sequence display in Web UI will also be reflected in workbench.

Previously, this component only worked with products and attributes.

Enabling Sequencing Display Mode to work with classifications permits users to order their products for the desired output on websites and in catalogs.

Classification List

 Clear all
 Insert asset
 Sequence view

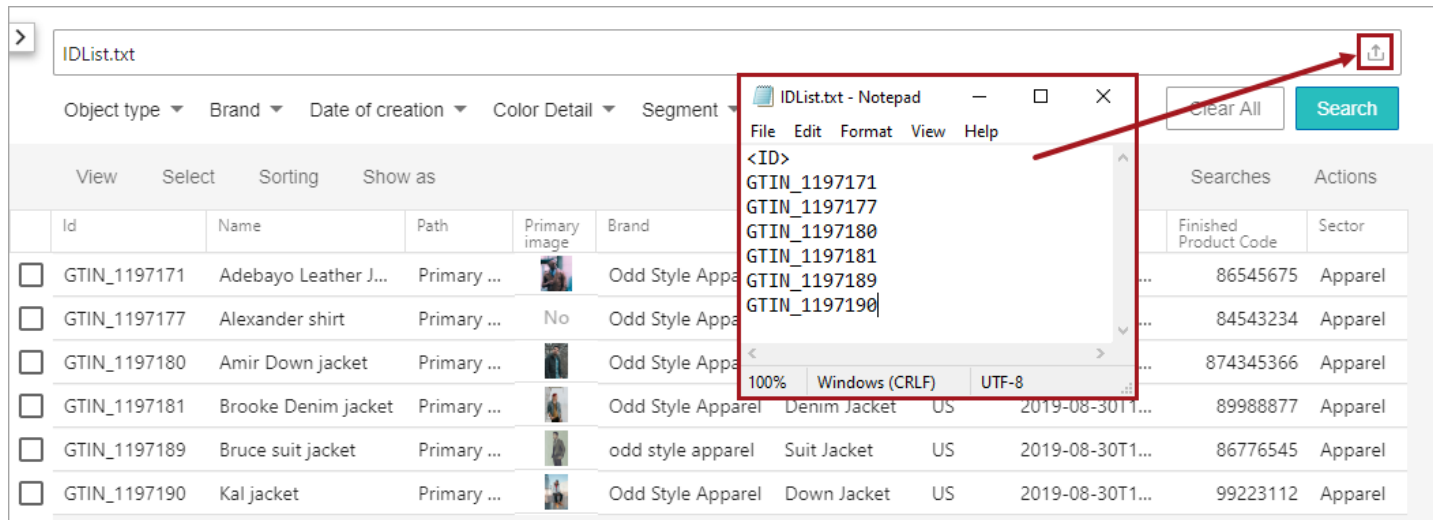
		ID	Name	Tent Capacity	Thumbnail
<input checked="" type="checkbox"/>		287962	Coleman 10-Person Tent	10	
<input type="checkbox"/>		287967	Coleman 2-Person Tent	2	

For more on the Sequence view in Web UI, refer to the Node List Component topic in the Web User Interfaces documentation.

Faceted Search Screen improvements

The following improvements on the faceted Search Screen give users easier access to objects that require enrichment and give administrators more control over search results:

- Static facets on the faceted Search Screen now include a '(Blanks)' option which allows users to search for items that have no value. Additionally, users can now view and work on a list of items that have missing data. Refer to the Search Screen Static Facets topic, which shows updated functionality introduced with release 10.3-MP4.
- The name of the uploaded file is now included in the recent search suggestions instead of listing the IDs being searched. Users can now repeat the file upload process without having to know the IDs included in the file. Refer to the Search Screen Search Bar topic, which shows updated functionality introduced with release 10.3-MP4.



The screenshot shows a search interface with a table of products. A Notepad window is open over the table, displaying a list of GTIN IDs. A red arrow points from the Notepad window to a search button in the interface.

Id	Name	Path	Primary image	Brand	Finished Product Code	Sector			
<input type="checkbox"/>	GTIN_1197171	Adebayo Leather J...	Primary ...	Odd Style Appa	...	86545675			
<input type="checkbox"/>	GTIN_1197177	Alexander shirt	Primary ...	Odd Style Appa	...	84543234			
<input type="checkbox"/>	GTIN_1197180	Amir Down jacket	Primary ...	Odd Style Appa	...	874345366			
<input type="checkbox"/>	GTIN_1197181	Brooke Denim jacket	Primary ...	Odd Style Apparel	Denim Jacket	US	2019-08-30T1...	89988877	Apparel
<input type="checkbox"/>	GTIN_1197189	Bruce suit jacket	Primary ...	odd style apparel	Suit Jacket	US	2019-08-30T1...	86776545	Apparel
<input type="checkbox"/>	GTIN_1197190	Kal jacket	Primary ...	Odd Style Apparel	Down Jacket	US	2019-08-30T1...	99223112	Apparel

- New options in the sharedconfig.properties file give administrators more control over the fuzzy search settings. A fuzzy search returns items when they do not exactly match the search criteria, allowing for typos and near matches. By default, the `Elasticsearch.Query.Fuzziness` option is set to AUTO as recommended by Elasticsearch. The `Elasticsearch.Query.FuzzyPrefixLength` option was previously set to two (2) characters but is now set to three (3) characters by default. The prefix indicates the number of starting characters that must match for an item to be included in the returned search results. Refer to the Search Screen Search Bar topic, which shows updated functionality introduced with release 10.3-MP4.

The faceted Search Screen 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.

For more information, refer to the Web User Interfaces documentation topics identified above.

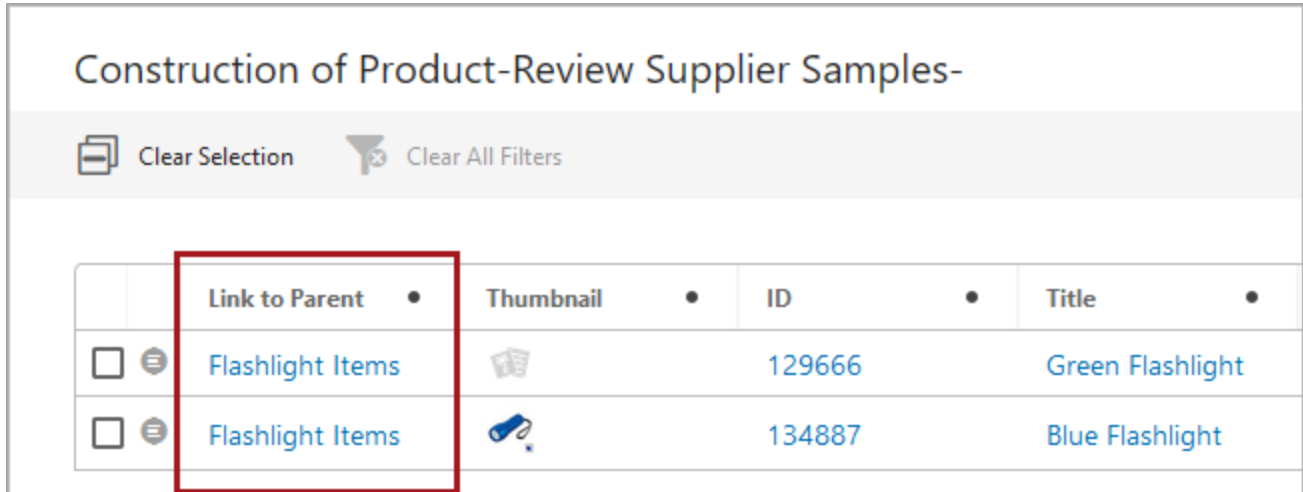
Elasticsearch and Kibana version 7.9.3 supported





The 'elasticsearch-integration' component has been verified to perform successfully with Version 7.9.3 of Elasticsearch and Kibana. Additionally, Elasticsearch and Kibana Version 7.1.0 continues to be supported. Regardless of the supported version in use, the same version must be used for both Elasticsearch and Kibana. The Elasticsearch database search engine populates data for the faceted Search Screen search results. Kibana is an administrator tool that can be used to troubleshoot searched data issues. For more information, refer to the Elasticsearch Setup topic in Web User Interfaces documentation.

The faceted Search Screen 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. It is recommended that customers consult with Stibo Systems Technical Services to implement this solution.

New table header to return a node from a business function

When viewing an item in a table in the Web UI, there is now a business function table header that enables users to retrieve the title of a single related node, such as a parent or child, where there is only a single relation of that type. If this related node is mapped, a user can click on the related item, view or make edits to the related item, and then return back to the table. This Business Function to Node table header can be applied to any table on a Node List.



Construction of Product-Review Supplier Samples-				
 Clear Selection		 Clear All Filters		
	Link to Parent •	Thumbnail •	ID •	Title •
<input type="checkbox"/>	Flashlight Items		129666	Green Flashlight
<input type="checkbox"/>	Flashlight Items		134887	Blue Flashlight

For more information, refer to the Node List Headers topic in the Web User Interfaces documentation.

Sufficiency Panel error messages correspond with related metrics in Web UI

To further enhance the clarity of sufficiency scores in the Web UI, any returned error messages are now clearly aligned with the metrics to which they belong. Previously, error messages were grouped together below the Data Sufficiency title. This update will make it easier for users to quickly identify and correct any potential issues with data quality and completeness, leading to more accurate and timely product data.

Quality and Sufficiency	
PacifierSufficiency	78
ProductColorOptionsMetric	0
<ul style="list-style-type: none"> Attribute 'All_Colors' value 'Red, White, Green, Blue' does not contain the provided value 'Red, Green' 	
ProductPriceMetric	50
<ul style="list-style-type: none"> Missing at least one currency indicator. 	
ProductNameMetric	100
ProductAgeGroupMetric	100
ProductDescriptionMetric	100
PrimaryImagesMetric	100

For more information regarding data sufficiencies and the Sufficiency Panel in the Web UI, refer to the Sufficiency Panel topic in the Metrics documentation.

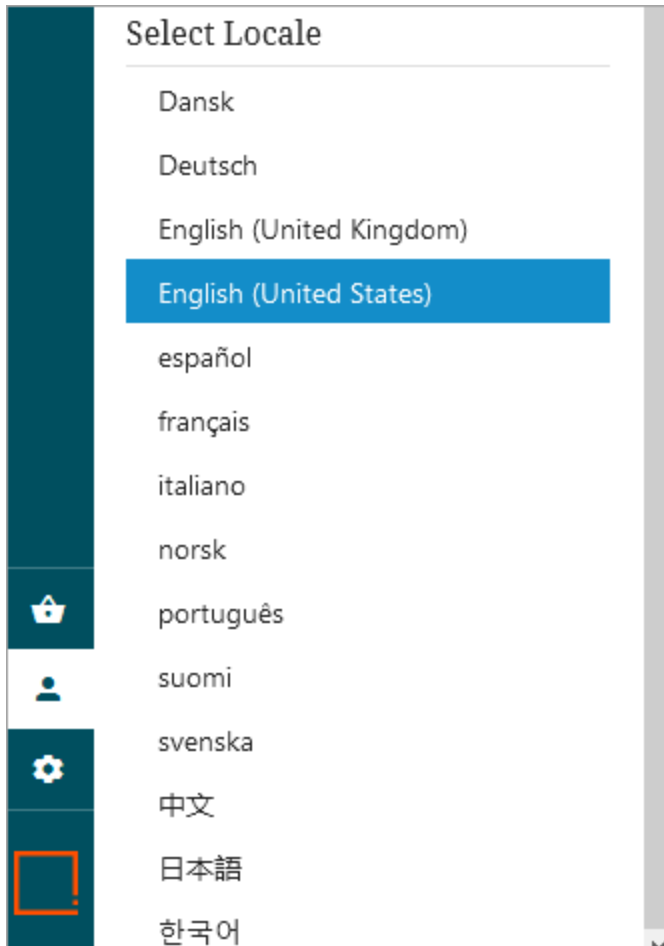
To access sufficiency scores within the Sufficiency Panel, the add-on component 'data-sufficiency' must be enabled. For on-premise systems, instructions for installing components can be found in the SPOT Program topic in the System Administration Guide found in Downloadable Documentation. For SaaS systems, contact your Stibo Systems account manager.

Users can select or change locale while in Web UI

Users are now able to change the locale of the Web UI being viewed without having to log out of the Web UI first. Previously, the only way to change locale was to log out of the Web UI, select the desired locale from a dropdown on the login screen, and then log back into the Web UI. While this option is still available, this new way to select locale, which does not require any configuration and is available through the Global Navigation Panel, enables users to easily switch between locales by clicking on the User Settings button and scrolling down to the Select Locale section of the User Settings column.

Additionally, this new locale selector enables users who normally bypass the Web UI login screen, such as for systems configured with Single Sign On (SSO), to select a locale different from the browser's preferred language. The selected locale will be highlighted, and each time a new locale is selected, the Web UI will

refresh signaling that the new locale has taken effect. There are thirteen locales that come standard with each Web UI: Danish, German, English, Spanish, French, Italian, Norwegian, Portuguese, Finnish, Swedish, Chinese (simplified), Japanese, and Korean.



For more information, refer to the Global Navigation Panel topic in the Web User Interfaces documentation.

Improved messages for workflow errors

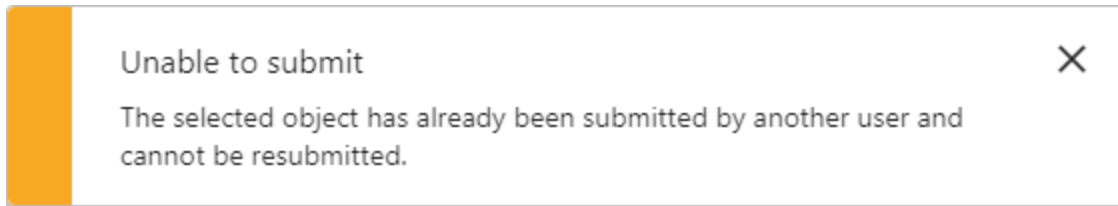
User notifications in the Web UI involving workflow warnings and errors have been improved for greater clarity.

Now, Web UI users who:

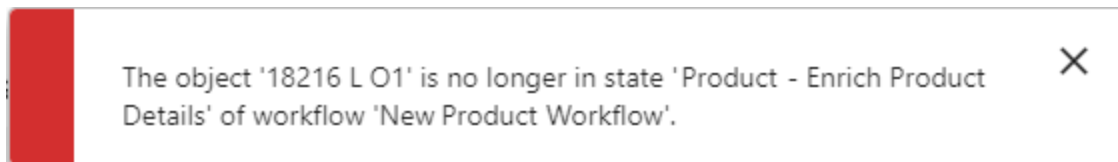
- submit an object from a Task List only to find the object has already been submitted,
- click on an object in a Task List only to find the object has already progressed to the next workflow state, or
- submit an object in a workflow from a Node Editor when that object has already been submitted to that workflow

will now be presented with new warning and error messages that more clearly describe the reason why those actions cannot be completed as intended.

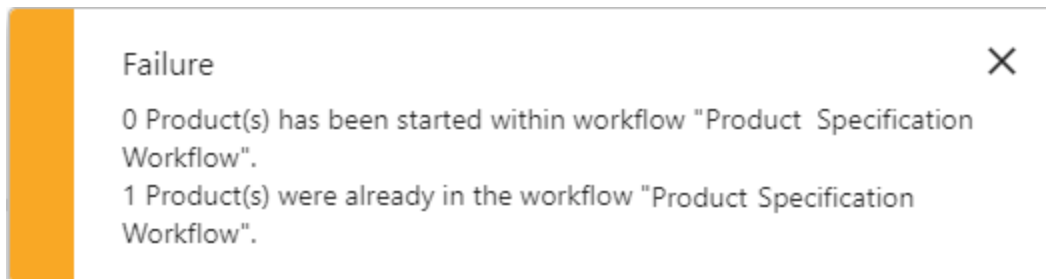
For example, users working on a Task List who attempt to submit an object that has already been submitted receive this warning message:



Users who click on an object on a Task List in which the object has already been submitted by another user will receive an error message like the one pictured below:



Users who submit an object from a Node List into a workflow when that object has already been submitted will receive a warning message like the one pictured below:



Implementation of clear warning and error messages for workflows reduces confusion on enrichment teams, and facilitates collaboration that can help move products to market more efficiently.

For more information on managing workflow tasks, refer to the Moving Tasks Through a Workflow in Web UI topic in the Web User Interfaces documentation.

More consistent display of names in Web UI

To apply additional consistency in how Web UI elements are labeled, object names will now display instead of their IDs in four scenarios described below. Despite an internal standard that the name of an object should display in place of its ID, there were still instances where the ID displayed when the name would provide more helpful information to the user.

The following display scenarios have been updated with this release:

- When logged into a Web UI, the browser tab will now display the name of the Web UI rather than the ID.
- On the Start Page, the Web UIs configured on a system will now display in alphabetical order by the name of the Web UI rather than ID.

- On Revision Headers configured on Node Lists, the user listed as having made the last revision will now have their name display rather than their ID.
- When Revision History is enabled on a Node Editor, the name of the user who last revised the object will display rather than the ID.

If no name for a Web UI or user is configured, the ID will display.

It should be noted that following an update to 10.1, these changes go into effect for all users.

Run Business Action component enhancements

A series of configuration updates have been made to the Run Business Action component that significantly improve its utility and functionality:

- Admin users now have the ability to configure the Run Business Action component with a confirmation dialog that will display after a business action has been initiated but before it is executed. Enabling this new 'Include Confirmation Dialog' parameter can help prevent inadvertent execution of resource-intensive or far-reaching business actions via the Run Business Action button.
- Run Business Action components configured as toolbar actions on Node Lists can now be configured to be made active (i.e., clickable) without requiring the user to first make a selection from the Node List. To enable this feature, users can uncheck the checkbox for a new 'Disable for Empty Selection' setting, which is defaulted to be enabled. This setting allows admins to keep a Run Business Action button active regardless of whether a selection has been made. For example, business cases in which executing a Run Business Action will create a new product, the Run Business Action button will be active and clickable without a selection.
- The Run Business Action component configuration, 'Business Condition To Show Or Hide Button,' allows an admin to determine under what conditions a specific Run Business Action button will display through application of a business condition. For example, if only those users in a specific user group should have access to the button, or if only those users viewing a specific product should have access to the button, a business condition can be written and applied to the Run Business Action button that will restrict display of the button unless those conditions are met. In this way, high-impact Run Business Action buttons will only be accessible to those users who require access. The condition will run on the current node, which can be the current selection or the current user. In cases where there is no current selection when the screen is loaded (e.g., Task Lists), the current user must be used. This feature will eliminate an existing workaround to restrict access to the Run Business Action button that required duplicate screens to be maintained.

For more information on the Run Business Action component, refer to the Run Business Action Component topic in the Web User Interfaces documentation.

Messages used with Run Business Action component now localizable

The flexibility of the 'Run Business Action' component has been updated to support localized messages shown to users based on the selected locale.

An updated 'showAlert' method for the Web UI Context bind now enables admin users to configure the Run Business Action with translated messages shown to users based on the selected locale. Previously,

messages configured on a Run Business Action could only show a single message, regardless of locale. Localized messages shown in the Web UI can be added by editing the relevant business rule in the workbench via the business rule editor.

This update expands the utility of localization and enables Run Business Action buttons configured with messages to be meaningful to all users.

For more information on the Run Business Action button, refer to the Run Business Action Component topic in the Web User Interfaces documentation.

Additional information in Summary Card descriptions

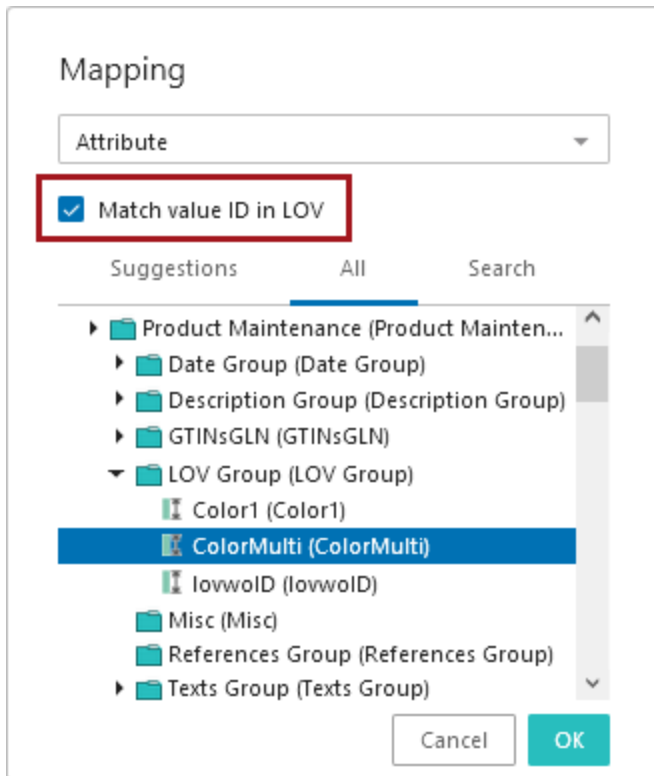
Summary Cards now display the user name (or ID if no name is present) of the user who last edited the product, asset, entity, or classification being viewed. Previously, user details were not listed in the 'Last edited' content, only a timestamp marking when the last edit was made. With this added detail now easily visible in the 'Last edited by' section of the Summary Card, data stewards will be better informed about which object information to update, and who to contact with questions about a given product, asset, entity, or classification.

For more information on Summary Cards, refer to the Below Title Component topic in the Web User Interfaces documentation.

Improved mapping of LOVs in Simple Importer Widget

The Simple Importer Widget has been updated to allow users to map incoming LOV values to the corresponding LOV value and/or the value ID. In Import Manager and IIEPs, users can select whether the supplied value should be mapped to the LOV value or the value ID, and now the Simple Importer Widget includes this feature as well. Previously, this selection option was not available, allowing users to map only to LOV values.

When users map incoming data from an import file and select an LOV, users are now presented with a checkbox called 'Match value ID in LOV.' This checkbox only displays when an LOV has been selected.



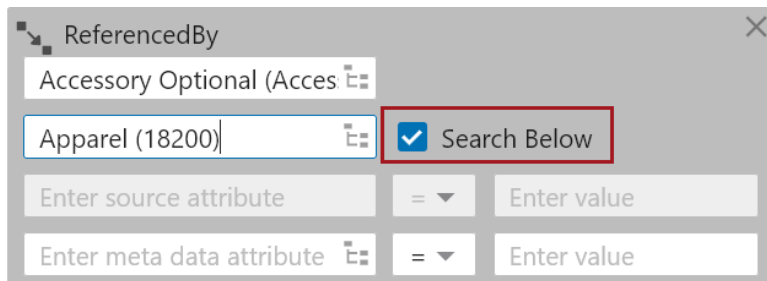
When the user checks this box, users can map incoming attribute values to an existing LOV by the value ID. Leaving the checkbox empty will restrict the mapping to LOV values only, meaning if the incoming value does not match one of the LOV's values by name, users will receive an error for that unmatched value.

For more information on the Simple Importer functionality in the Web UI, refer to the Simple Importer Widget topic in the Web User Interfaces documentation.

Reference criteria in Advanced Search updated

The 'References' and the 'ReferencedBy' criteria in the Web UI Advanced Search have been updated to include a new 'Search Below' option.

When the 'Search Below' option is checked, the 'References' and 'ReferencedBy' search expands to include any nodes beneath the node selected in the 'Enter source' (ReferencedBy) or 'Enter target' (References) field. The 'Search Below' setting is enabled by default whenever the 'References' or 'ReferencedBy' search criteria is added to an Advanced Search screen.



Previously, when an object was added in the 'Enter Source' or 'Enter Target' field, the search would only find reference objects for the specified object, and there was no option to also include reference objects either referencing or referenced by the children of the specified object.

Additionally, collections can now be selected in the 'Enter Source' and 'Enter Target' fields in the 'ReferencedBy' and 'References' search criteria with all objects within a collection acting as sources or targets, respectively. Selecting a collection as the searched object enables admin users to search for reference objects within a search, bringing the Web UI Advanced Search more in line with workbench's search capabilities. When users generate a collection, they are narrowing down a group of objects based on one or more search filters. By then applying a References or ReferencedBy search to that collection, product managers and data stewards leverage the flexibility and granularity of collections to enable more powerful searches of product data in the Web UI.

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

Define available targets in References Web UI component using a business function

We have added the ability to customize the search that finds possible reference targets for the References Web UI component. Previously, the search could be customized by writing a Java search plugin or by using one of the existing search plugins. Now, a reference target search can be written as a Business Function in JavaScript using the Query API and provides the user with only the reference targets that are valid on the reference. For more information, refer to the Custom Reference Target Search topic in the Web User Interfaces documentation.

Table filtering using 'Does not contain' updated

The 'Does not contain' filter condition, which is accessible when filtering on columns in Web UI tabular views for which 'Enable filtering' has been activated, is now updated to accurately account for multi-valued cells.

For example, when users enter the dialog for column filtering and select the condition 'Does not contain,' values entered into the condition field, (in the example shown below the value is 'Kelly green'), will now be considered in the filtering action even if the specified value is contained in a multi-value cell. Previously, multi-value cells were handled by this condition in a way that could result in filtered rows featuring multi-value cells that contained excluded values.

Enhancements to Custom Export Action Component

An enhancement has been added to the Custom Export Action component that improves export clarity in specific scenarios.

When mapping a column to display in the custom export, users who select the 'Value on Reference Target' or 'Metadata Value on Reference' mapping options will have the option to include the reference type name in the column header along with the target attribute name.

<Object Type>	<Accessory Single-Valued. Node .Color>
Item	Royal Blue;Rose
Item	Black;Alloy Orange

This is done by checking the box for 'Include reference type in header,' as shown in the screenshot below.

Previously, users who mapped two different reference types in two different columns, but selected the same attribute for both, would be unable to differentiate between the two columns. Adding the reference type name to the column header helps clarify where each attribute value originates.

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

Software-as-a-Service (SaaS) Enhancements

Summary

Updates have been made within the Software-as-a-Service (SaaS) Stibo Systems Enterprise Platform (STEP) cloud-solution functionality. They include:

- General availability of Cassandra database across all data domains
- New self-service administration tool
- Additional automation

Note: The SaaS self-service administration tool is still in a ramp-up phase, so not all customers will have access to it. To learn more about the ramp-up phase / status, refer to the License and Component Lifecycle in the System Release and Patch Notes section of online help.

Details

Cassandra database generally available across all data domains

With the release of 10.1, we support the use of the multi-tenant Cassandra database for SaaS across all data domains, including e.g., Automotive, Customer MDM, and all other domains. The use of Cassandra for SaaS deployment will be ramped up in the coming time.

Our support for the Cassandra database is based on using In-Memory database technology to ensure superior performance. Customers will also benefit from the distributed nature of the Cassandra database, which means less planned downtime for OS patching, for example, as well as the ability to survive the failure of individual database nodes without downtime. Strict segregation between data belonging to different customers is enforced using the Cassandra keyspace concept.

Customers on Cassandra will also benefit from the ability to do schema changes without going into single update mode. Execution of a schema change will run as a background process, so that customers can continue to work while the change is happening. It is only possible to have one change executed on a given schema object at a time; multiple changes to the same or depending objects will be queued.

In the future, use of the Cassandra database will be extended to cover more use cases that take advantage of its inherent capabilities for storing huge amounts of data.

New self-service administration tool

There is a new self-service administration tool for SaaS that enables customers to:

- Get an overview of their environments across Dev / QA sandboxes, pre-production, and production environments, including patch levels and other details.
- Refresh a sandbox environment from the production environment, either partially or from a clean start.
- Add or change IP filtering to limit access to environments to selected IP addresses.

The self-service administration tool will be extended in the future to cover more capabilities.

Additional automation

Additional automation has been introduced to avoid manual operations and reduce planned downtime:

- **OS patching without downtime:** This previously required a manual ticket flow and coordination of planned downtime. Now, OS patching can be automated to avoid downtime.
- **Automatic capacity scaling:** The capacity allocated to production and pre-production environments can now be automatically adjusted to what is needed at a given point in time without causing any downtime. This includes allocating more memory and adding / removing server capacity. Sandbox and pre-production systems that have not been used for some time will be put on standby, to automatically resume when they are accessed again.

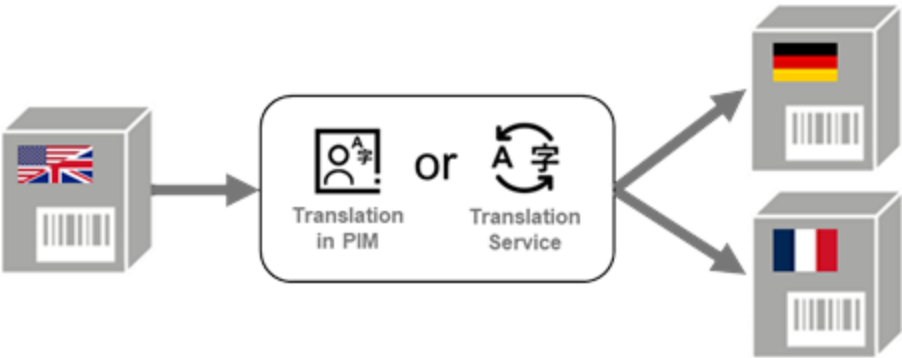
PIM for Retail Enhancements

Summary

The PIM for Retail (renamed to Data Management Accelerator for Retail with the 11.0 release) 'Vendor Data Onboarding' module solution is a starter pack containing a ready-to-use configuration for retailers, based on common practices. It implements business processes powered by a buy-side / sell-side data model, workflows, Web UIs, etc. This module now includes a translation feature.

Details

The 'Vendor Data Onboarding' module has been enhanced to include translation functionality that allows translating sell side data in German and French. This enables retailers to show products in multiple languages based on distribution countries or the retailer's own country. The translation can be handled internally via the Web UI or externally by an asynchronous translation service (like SDL or Lionbridge). Additionally, the user experience (Web UI, messages, etc.) is fully localized in French and German.



For more information in 11.0 and beyond, refer to the Accelerator for Retail Translation topic in the Accelerator for Retail section of the Product MDM Solution Enablement documentation.

General Enhancements and Changes

Summary

The following enhancements have also been made as part of the 10.1 release. These are outlined below and described in the Details section that follows.

- User impersonation changes have been made for more accurate auditing.
- Power BI functionality has been expanded to include a flyout panel to improve data review.
- Workbench users now have the option to export Background Process (BGP) execution reports as a CSV file.
- In workbench, when a change is made to a privilege the log specifies exactly what occurred.
- Attribute validation errors can now be defined by users for better understandability / actionability.
- Multiple image tags can be embedded into a text attribute via a transformation.
- An ellipsis button has been added to the STEP Template Content menu that allows users to view all available transformations.
- Comparing composite recipe parameters on a Compare Parameters Tab: The Compare Parameters Tab now supports the comparison of more than one recipe's parameters associated with a single market product.
- Comparing requirements: The PLM private label food solution now supports the comparison of requirements for composite recipes and packaging elements.
- System Setup Migration Tool link was removed from Admin Portal.
- The process for migrating assets and DTP documents to an external file system has changed.
- Clearer messaging is presented to users when trying to save data containers with IDs that were previously assigned.
- Improved usability in Web UI when creating / editing data containers with keys.

Details

Auditability improvements to impersonation

To improve auditability, the way impersonation edits are recorded has been updated for 10.1 systems. Impersonation edits are now indicated as performed by the authenticated user (impersonator) instead of the previous way of doing it, which was to log transactions by the impersonated user. While Web UI impersonation is intended to be used for troubleshooting purposes, changes to existing data may be made in accordance with the impersonated user's privileges. Therefore, the new way of logging user actions presents an accurate audit history, allowing for differentiation of user activity in log files and in other areas in Web UI (and workbench) that track revision history and user actions.

For pre-10.1 systems: the logs, revision histories, etc., will continue to reflect the previous way of tracking impersonation users. Hence, consistency between old and new should not be expected.

Whenever a user starts impersonating another user, a user with the name '<Impersonator User ID> as <Target User ID>' and the ID, which will begin with the 'STIBO.I.' prefix, will be created. The audit trail will then indicate that it is this new user revising objects or making other changes. These special user types are hidden from all browse, search, and assignment interfaces and will not count against the licensed number of users. The Admin Portal's user activity report fills this void in visibility and is shown in the first image below (as well as some other examples).

Admin Portal > User Activity Report:

A	B	C	D
User ID	User Name	Interface	Latest Activity
USER7	User 7	bgp	2020-09-21T11:05:33-04:00[America/New_York]
USERJ	User J	workbench	2020-09-21T11:05:33-04:00[America/New_York]
STIBO.I.74BE24A09843B2A48ACFAF82ED17E5CF	USER8 as BUYER1	web ui	2020-09-21T11:05:39-04:00[America/New_York]
USER8	User 8	workbench	2020-09-21T11:05:10-04:00[America/New_York]
STIBO.I.444E7C50B8AE6CFE84A9261F1BBAB85	USER8 as SUPPLIER1	web ui	2020-09-21T10:38:41-04:00[America/New_York]

Node Details > Summary Cards:


Node Details

[Headphones](#) > [Over-Ear](#) > [Acme Over-Ear Headphones - White](#)

CSHSOVE200WH 3A

[Print_Article_103177](#) • Never Approved • 0.4 • Last edited by USER8 as BUYER1 on September 21, 2020 at 4:37:02 PM UTC-4

[Basic Information and references](#) 1
[Asset Preview](#)
[Additional Information](#)



Multi Revision Screen:

	ID	Name	Approval	Revision
0.3 (CURRENT)	Print_Article_103243	CSHSOVE200BLUE	✘ Never Been Approved	0.3 Created by USER8 as USER5 on Wed Oct 21 15:52:23 EDT 2020
0.2	Print_Article_103243	CSHSOVE200BLU	N/A	0.2 Created by User 4 on Mon Dec 30 16:25:20 EST 2019
0.1	Print_Article_103243	CSHSOVE200BLU	N/A	0.1 Created by User 4 on Wed Dec 18 20:36:45 EST 2019

Revision History:

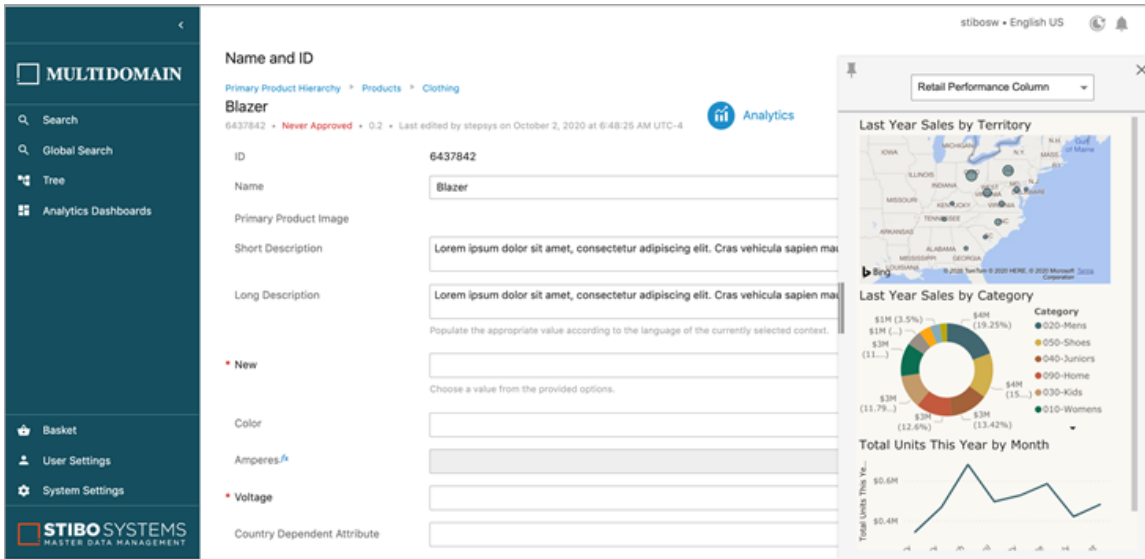
Value history			
Revision	Edited on	Edited by	Value
0.3	2020-10-21 16:22:49	USER8 as USER5	These headphones...
0.1-0.2	2019-12-18 20:36:45	User 4	

For more information regarding setup, reporting, and considerations in regards to intermediate impersonation users, refer to Web UI User Impersonation Setup and Reporting documentation in the Users and Groups section of the System Setup documentation.

For more information regarding accessing and using impersonation, refer to the User Impersonation topic in the Web User Interfaces documentation.

Power BI analytics flyout panel expansion

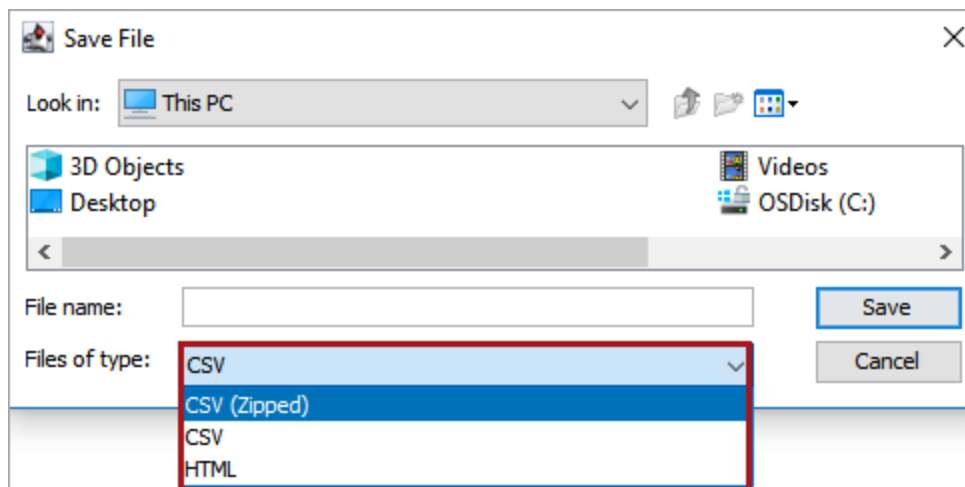
The STEP Analytics license and functionality provides users with an end-to-end, one-stop analytics solution to capture, analyze, and visualize data obtained from a mixture of STEP and external systems, such as ERP, CRM, and sales forecasting systems. This STEP Analytics add-on for Power BI has been enhanced by the availability to view Power BI widgets in a flyout panel. This provides a much improved user experience around viewing Power BI dashboards and reports as an integral part of the data review and management in the Web UI. By presenting analytics information in context with the content being analyzed, the new flyout panel provides users a seamless, contextual interface to help in their decision-making processes and offers buyers, merchants, and product managers the ability to perform their daily analytical tasks more efficiently.



For more information and setup instructions, refer to the Power BI Flyout Panel topic in the Visual Integration with Power BI section of the Analytics documentation.

Additional options for Background Process (BGP) execution reports

Similar to the functionality in Web UI, workbench users can now export Background Process (BGP) execution reports as a CSV file as well as an HTML file. Additionally, in the workbench users will have an option to select the report as a zipped CSV file for execution reports that contain over a million lines in length.

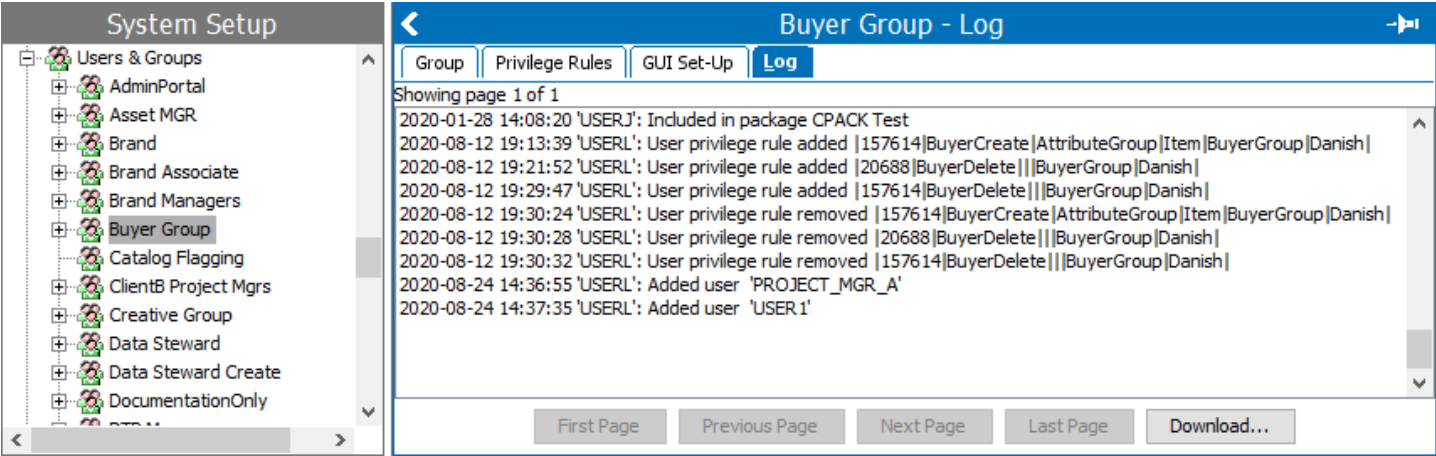


Enhanced logging of privilege changes in workbench

Previously, changes to privileges only captured when a change was made, who made the change, and a general overview of the change, but it did not give specific details about what changes occurred. This lack of information did not provide enough specifics for data stewards and/or system architects to act on changes,

should the need arise. Now, when a change is made to a privilege the log specifies exactly what occurred.

This information is essential for audit purposes, as well as aiding data stewards and/or system architects in setting up and maintaining privileges.



User-defined error messaging for attribute validation

Users can now write their own error messaging for attribute validation errors, including those for regular expression (RegEx). Creating clear error messaging provides a way for data stewards and various managers (e.g., brand, product, channel) to understand their errors and correct them immediately.

For example, writing a custom message that says 'Values must be a capital letter followed by a number, e.g., A7.,' is clear and concise compared to a system-generated message that says '[Blue] does not fit the regular expression "[A-Z]\d".'

When installing 10.1, an attribute named 'Validation Error Message' is created within the Metadata attribute group in System Setup and is added to all attributes. It can then be linked to a node in a product or classification hierarchy and be available by inheritance to the nodes below. User-created error messages can then be added to the metadata attribute in the Attribute Editor. The attribute is language-dependent so that the message can vary per language. Also, if the error message is localized on the attribute, then that localization will override the message in the UIs when the attribute's respective validation base type is not satisfied.

Attribute Management

Attribute Details Validity Link Editor

ID: ColorCode

Name:

Last edited by: 2020-10-01 20:36:41 by USER8

Attribute Validation

Validation Base Type:

Multi valued:

Regular Expression:

Validation Error Message:

Node Details

Headphones > In-Ear > Acme In-Ear Headphones - Blue

CSHSIE200BLU

Print_Article_104413 • Never Approved • 0.2 • Last edited by User 4 on December 30, 2019 at 4:25:20 PM UTC-5

Basic Information and references ⁵ Asset Preview Category Informations Additional Information

Last edited by: 2019-12-30 16:25:20 by User 4

Color Code:

Values must be a capital letter followed by a number, e.g., A7. Please correct the value.

User-defined messages are optional. If a custom error message is not supplied, the existing system messages will still be shown. These error messages will display if there are errors when validating attributes in Web UI (shown above), workbench, Smartsheets, and upon import.

Considerations and Limitations

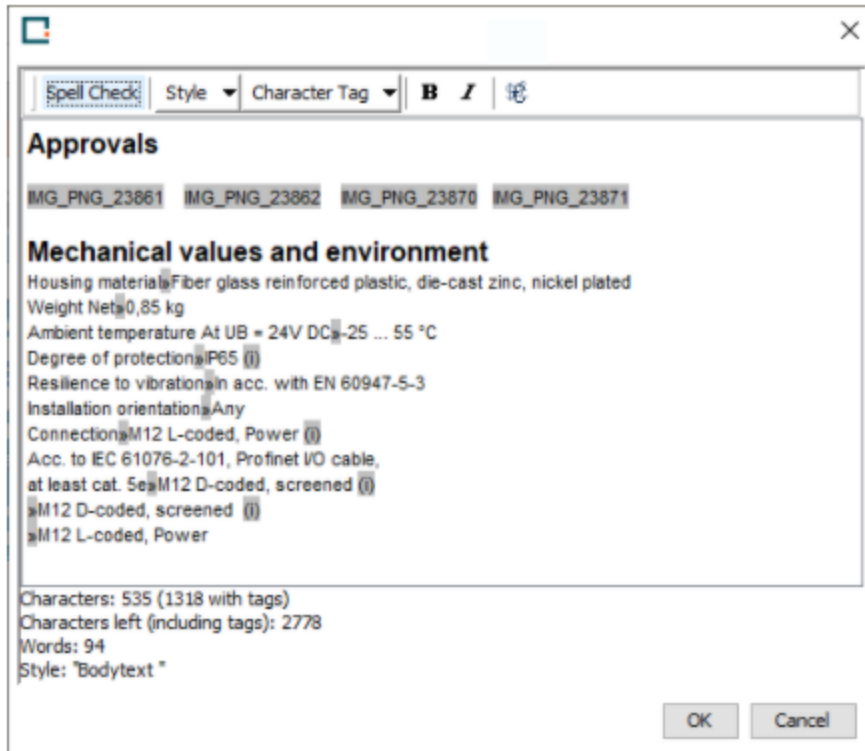
- If an attribute with the same ID (ValidationErrorMessage) already exists before the upgrade, the attribute will not be changed nor will further configuration take place.
- As described above, the validation errors are context specific and have nothing to do with locale.

- User-defined error messages are not present in the Map Data step of the Import Manager. Validation is done upon import and reported in the execution report.
- An execution report will always present the validation error messages from an XML-pointed import context and also in cases where importing multi-context values.

For more information, refer to the Custom Validation Error Messages topic in the Attribute section of the System Setup documentation.

Support for multiple image tags in attributes

Many customers, generally print customers, are using content management systems or editorial systems and need text and images mixed in one data field when importing data from these systems into STEP. To do this multiple image tags can now be embedded in a text-based attribute and rendered in Adobe InDesign via attribute transformations. This enhancement eliminates the need for splitting up attributes to tag one image per attribute and keeps users from having to make data model changes to accommodate the display of multiple images.







Those images could either be maintained as an Inline Reference, resolving the ID of an asset defined as a character tag, resolving a certain image.

Character Tag	
Character Tag Definition	
Name	> > Value
> Name	
> Edited By	
> Character Tag	
> Rendering	(i)
> Show Character Tag	Yes
> Keyboard Shortcut	
Output Formatting	
Format	> Formatting >
> InDesign	<<BaselineShift:-1> <<BaselineShift:>
> Add Formatting	

The images are resolved in InDesign via attribute transformations.

Approvals

Mechanical values and environment

Housing material	Fiber glass reinforced plastic, die-cast zinc, nickel plated
Weight Net	0,85 kg
Ambient temperature At UB = 24V DC	-25 ... 55 °C
Degree of protection	IP65 ⓘ
Resilience to vibration	In acc. with EN 60947-5-3
Installation orientation	Any
Connection	M12 L-coded, Power ⓘ
Acc. to IEC 61076-2-101, Profinet I/O cable, at least cat. 5e	M12 D-coded, screened ⓘ
	M12 D-coded, screened ⓘ
	M12 L-coded, Power

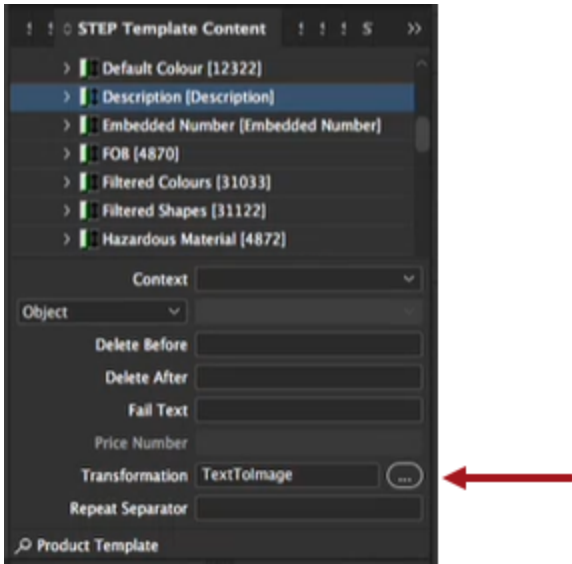
Any mounted attribute value that uses a 'text to image' attribute transformation will show as requiring update due to different markings in the document. The document markings will be updated after updating the attribute via a Check DB Update or Update Document Data.

Support for multiple images per table cells continues; however, a mix of text and images in a single table cell is not yet available. The system strips out text from the attribute value and replaces it with an image, where applicable.

For more information about attribute transformations, refer to the Attribute Transformations in Print Publisher topic in the Publisher (Adobe InDesign Integration) section of documentation.

User interface enhancement to STEP Content Template Menu

An ellipsis button has been added next to the Transformation field in the STEP Template Content menu, which is used when creating product templates in InDesign. Clicking this button allows you to view all transformations available. Previously, users had to know exactly what to type in or use a wildcard (*) to search. This new method is easier and more intuitive for Publisher users.



For more information about the STEP Template Content panel, refer to the STEP Template Content topic in the STEP Template Panels section of the documentation.

Composite products can now be compared on a Compare Parameter Tab

Private label food retailers can now compare composite products, which are products that contain more than one recipe, with proposed parameters from multiple suppliers on the Compare Parameters Tab. On the left side of the Compare Parameters Tab is the Recipe navigation panel. Users are able to toggle between supplier recipes with the one being viewed appearing blue. If a filter is set, the filter will remain in effect even when switching between recipes until the filter is changed or cleared.

Original COMPOSITE SPECIFICATION • ID: DSCV173812
Acme • Macaroni & Cheese Dinner

Compare Ingredients Compare Requirements **Compare Parameters** Project Information

Hide Equal Filter Suppliers

Recipes

- Cheese Sauce Mix
- Elbow Macaroni

Cheese Sauce Mix

Microbiological

Parameter	Supplier B	Supplier C	Supplier E
Coliforme Germs: Not detectable in 25g	(✓)	(✗)	(✓)
E. Coli: Must be <3	(✓)	(✓)	(✓)
Cholerae: Not detectable in 25g	(✓)	(✓)	(✗)

Physiochemical

Parameter	Supplier B	Supplier C	Supplier E
Cadmium: Must be undetectable in a 25g sample. If No, please indicate the maximum amoun...	✓	✓	✓
Target Fat: Must be < 15% of the RDV.	✓	(✗)	(✗)

Ingredients

Ingredient	Parameter	Supplier B	Supplier C	Supplier E
Cheddar	Cadmium: Not detectable in 25g	✓		
	Cadmium		✗	

The PLM Domain and Food & Formulation PLM commercial licenses are required to be activated to use the functionality described in this section.

For more information on configuration, refer to the Configuring the Compare Tabs topic in the Private Label Food Solution segment of the PLM for Admins section in the Product Lifecycle Management documentation.

For more information on how to use the Compare Parameters Tab, refer to the Compare Parameters Tab topic in the Private Label Food Solution segment of the PLM for Users section in the Product Lifecycle Management documentation.

Comparing requirements for composite products and packaging elements

Private label food retailers can now compare requirements for composite products or packaging elements, which contain more than one recipe or element for a single product. While composite products and packaging elements will not appear on the same tab for comparing requirements, they do function the same way. For both composite products and packaging elements, a user compares the proposed requirements from multiple

suppliers against one another and the specifications. Additionally, the user is able to toggle between recipes for composite product or packaging elements with the one being viewed appearing in blue. If a filter is set, the filter will remain in effect even when switching between recipes or packaging elements until the filter is changed or cleared. Below is an example of a composite product.

Spirals COMPOSITE SPECIFICATION • ID: DSCV219683
 Dinner Meals • Macaroni & Cheese Dinner

Compare Ingredients **Compare Requirements** Compare Parameters Project Information

Hide Equal Filter Suppliers

Recipes

- Cheese Sauce Mix test
- Enriched Macaroni

Cheese Sauce Mix test

Food Claim

Requirement

Low fat: Recipe must be 30% lower in fat than competitive products. Indicate minimum perce... (✓) (✗)

Quality Requirement

Requirement

Fair Trade Certified: Must be Fair Trade Certified. If Yes, please indicate expiration date of cer... (✓) (✓)

Certified colors: Must not use certified colors. Please explain method of coloring (✓) (✓)

No Genetically Modified Ingredients: Use of non-GMO ingredients is required. (✓) (✗)

Pas ta Inc. (654-8763535)
 Pas ta Italia (765872134)

As stated above, the PLM Domain and Food & Formulation PLM commercial licenses are required to be activated to use the functionality described above.

For more information on configuration, refer to the Configuring the Compare Tabs topic in the Private Label Food Solution segment of the PLM for Admins section in the Product Lifecycle Management documentation.

For more information on how to use the Comparing Requirements Tab, refer to the Tabs for Comparing Requirements topic in the Private Label Food Solution segment of the PLM for Users section of the Product Lifecycle Management documentation.

Removal of the System Setup Migration Tool link from Admin Portal

The System Setup Migration Tool link has been removed from the Tools option of the Admin Portal menu. However, the STEPXML Comparison Tool is still available via workbench, and documentation for this tool can be found in the Comparison Tool section of the Configuration Management documentation.

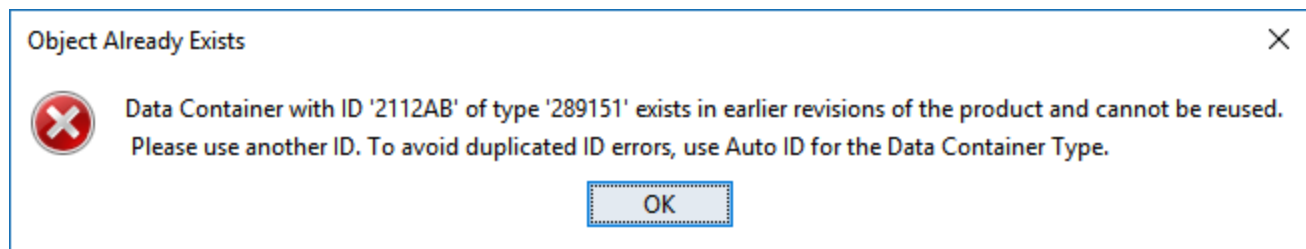
Customers should note that the change packages functionality, which is available in workbench, superseded the System Setup Migration tool in a previous release. Stibo Systems encourages users to transition to using change packages, which provide a more controlled transfer of selected changes, and are described in the Change Packages section of the Configuration Management documentation.

Changes to migration process for assets / DTP documents to file system

The option 'Migrate assets/DTP documents to file system...' is no longer available in the workbench File menu. This particular migration can still be done with the help of / by contacting Stibo Systems' Technical Support to ensure the correct processes and system storage is in place.

Improved messaging when trying to re-use previously assigned data container ID

When a user attempts to assign an already used ID to a new data container and then save that data container, the error message has been updated to be more concise as to why the data container could not be saved. The message also includes additional information regarding how to avoid duplicated ID errors in the future. This improved message makes it much easier and quicker for users to create valid data containers.



For more information in regards to Data Container IDs, refer to the Adding and Maintaining Data Container Instances topic in the Data Containers documentation.

Mandatory data container values now indicated in Web UI

When data containers are created / edited in the Web UI, any attributes / reference types that are part of a data container key will now be indicated as mandatory. Users with the 'Edit Data Container Key' privilege will be able to edit existing data container key values; users without this privilege have the indicated data containers keys with read-only values.

ProdModel

149392 3 	PM_Colors <input style="width: 100%;" type="text"/>
* PM_ID	<input style="width: 100%; border: 2px solid red;" type="text"/> ! 'PM_ID' is part of the data container key. Value must be provided.
PM_Model	<input style="width: 100%;" type="text"/>
* PM_Name	<input style="width: 100%; border: 2px solid red;" type="text"/> ! 'PM_Name' is part of the data container key. Value must be provided.
PM_Shape	<input style="width: 100%;" type="text"/>
* Product Packaging	<input style="width: 100%; border: 1px solid #ccc;" type="text" value="Type to search for suggestions"/> ! 'Product Packaging' is part of the data container key. Value must be provided.

Add ProdModel...

For more information on data container keys, refer to the Data Container Keys topic in the Data Containers documentation.

For more information on data containers in Web UI, refer to the Data Containers in Web UI topic in the Using Web UI documentation.

Data Integration Enhancements

Summary

The following Data Integration Enhancements have been made for the 10.1 release:

- The ability to export metadata on reference / link types from Stibo Systems Enterprise Platform (STEP) to Product Data Syndication (PDS) using Advanced STEPXML.
- The Publish wizard for PDS bases access to PDS channels on user access and displays nested PDS channel structures.

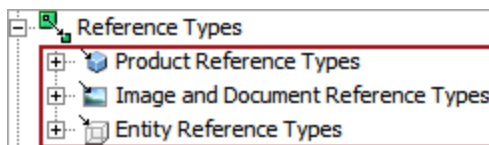
To access the PDS platform and functionality, the PMDM Product Data Syndication Outbound Adapter commercial license must be activated for your system. For more information, refer to the Product Data Syndication topic in the Data Integration documentation.

For a list of PDS enhancements, refer to the Product Data Syndication release note in the 10.1 release note set. Also, for PDS information, visit Stibo Systems' Product Data Syndication page at <https://www.stibosystems.com/solution/product-data-syndication>. Or, to log into the PDS platform at: <https://pds.stibosystems.com>.

Details

Metadata on references and links available in PDS

Using Advanced STEPXML, users can now export metadata from STEP to PDS on these reference types: Product Reference, Image and Document Reference, and Entity Reference. This new functionality gives PDS users more detailed information about the product data that is exported from STEP.



For more information regarding Reference and Link Types, refer to the Reference and Link Types topic in the System Setup documentation.

For more information regarding Advanced STEPXML, refer to the Advanced STEPXML Format topic in the Data Exchange documentation.

PDS Publish wizard improvement

The Publish wizard for PDS is available from the Search Screen basket. New functionality prevents access to PDS channels for users who do not have an email address for their STEP user that matches that matches their email address in PDS. This update improves the ability to govern PDS by ensuring only authorized users can publish data to channels. **This may constitute a change for current users. Verify users who publish data to PDS have the same email address in STEP.**

Additionally, nested PDS channel structures have replaced a flattened list of channels in the wizard. This improvement allows users to navigate, manage, and execute their syndication process on the intended level, whether global or for a specific retailer.

The Search Screen 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.

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

Product Data Syndication Enhancements

Summary

Product Data Syndication (PDS) enhancements in 10.1 are centered around two focus areas: creating deeper channel connections and seamlessly connecting MDM to syndication.

Enhancements include the following new and extended functionality:

- Enhanced features for complex channels such as the Global Data Synchronization Network (GDSN)
- Additional robust value transformations
- Simplified views based on roles and responsibilities

For more information about PDS, visit Stibo Systems' Product Data Syndication page at <https://www.stibosystems.com/solution/product-data-syndication>. Or, to log into the PDS platform: <https://pds.stibosystems.com>.

Details

Feature enhancements for channels

Manufacturers need the ability to publish their data to complex channels such as GDSN. The 10.1 release gives manufacturers new features, such as the ability to customize their view to focus only on the attributes that are used by their businesses, and greater flexibility for mapping different master data models to the complex GDSN structure.

Robust value transformations

Transformations are a key feature of PDS, allowing customers to meet a channel's specific formats and requirements without having to build those formats and requirements into their master data. The transformation capabilities have been enhanced to include more robust transformations such as concatenates, conditional transformations, and lookup tables. These new capabilities allow manufacturers to create retailer specific product titles and descriptions, and enhance these descriptions with search-engine optimization (SEO) specific keywords that are optimized for a specific category or market.

Role-based views

Since users may want a simplified view of PDS, this release introduces the ability to refine a user's interface based on what is needed to view and manage their roles and responsibilities. This ability can be refined to markets, channels, and attributes. These new roles can also be connected to roles in PMDM to enable Single Sign-on (SSO) for customers.

Customer MDM Enhancements and Changes

Summary

The following enhancements have been made to the Customer MDM product line:

- Added new functionality for processing lists
- Enhanced the Unmerge functionality
- Added Source Data Management
- Added Source Data Lineage to the Source Traceability screen
- Introduced support for entities with the Supplier Self-Service Onboarding solution
- SAP-certified DEBMAS / CREMAS connectivity
- Provided miscellaneous fixes to improve the quality of the Customer MDM solution

Details

Added new functionality for processing lists

In response to market needs, list processing functionality has been added to Customer MDM solution. It is now possible to import a list of data records and leverage existing features in Stibo Systems Enterprise Platform (STEP) to assess data quality, remove, update, and prepare the records for a specific business purpose. List processing is available on systems with the List Processing commercial license activated.

Data stewards may explore a records list, cleanse incomplete records, deduplicate records, and transform data prior to business process consumption or onboarding as master data. Some possible solutions include:


- Indirect customer processing - resolve master data entities from transactional data enabling CPGs and manufacturers to gain insight into their customers customer
- Prospect list processing optimization - allow marketers to qualify and prepare lists reducing marketing campaign costs and time to market
- Mergers and Acquisition - deal with the deluge of data inherent with Mergers and Acquisition activity

To customize the processing of lists, users may apply data quality profiling to assess the validity and completeness of the data, remove records with poor data quality, apply bulk updates to standardize and validate addresses or further enrich data records, perform deduplication to remove duplicate records, manage lists in entity hierarchies, and export lists in any of the formats supported by the platform when processing is complete.




Standard List

Customer List • ID: StandardList

9999 records • Created: 10/05/2020, 5:41:26 PM



Profile Findings

 Process list ▼
 Import list
 Export list

Process Reports

✓
Import
Complete

Started	10/05/2020, 5:41:29 PM	Details
Finished	10/05/2020, 5:44:22 PM	
User	USERE	
Imported records	9,999	

✓
Upload
Complete

Started	10/05/2020, 5:41:27 PM	
Finished	10/05/2020, 5:41:27 PM	
User	USERE	

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

Enhanced the Unmerge functionality

In the 10.0 release, the Unmerge functionality provided the ability to revert an incorrectly-merged golden record back to its original separate records or to restore source records that were wrongly automerged when the records were imported into the system. Now, the expanded functionality makes this feature more intuitive and robust as follows:

- Unused source data values are displayed in a popup dialog for each individual attribute, reference, and data container. The unused value view helps the user understand which source records to unmerge.
- A new step in the Unmerge wizard provides the ability to select individual values that should survive from the Unmerge process. Previously, only the whole record could be unmerged, leaving the survivorship rules to determine which values to survive. This improvement allows users to create a more accurate version of the independent records.

Unmerge: Olive Johnson ID: 248854 1 Distribute Source Records 2 Select Surviving Values

Note

- Verification done (usere: 5/15/2020, 6:50:16 AM)
- Please unmerge (usere: 5/15/2020, 6:49:20 AM)

Reset all → Move to ▾ Reactivate Golden Record

	Original Golden Record 248854	New Golden Record												
Sources	<input type="checkbox"/> Dynamics Europe - 179610-4248 <input type="checkbox"/> SAP London - 16840504-2501 <input type="checkbox"/> Deactivated Golden Record 238732 <input type="checkbox"/> SAP US - 38244430-7946	Select a source record to move this new golden record.												
Surviving Values	<table border="1"> <thead> <tr> <th>Name</th> <th>Value</th> <th>Source</th> <th>Received</th> </tr> </thead> <tbody> <tr> <td>Olive Johnson</td> <td>Oliver Johnson</td> <td>Dynamics Europe - 179610-4...</td> <td>2020-05-15 06:47:07</td> </tr> <tr> <td></td> <td>Olivia Johnson</td> <td>SAP London - 16840504-2501</td> <td>2020-05-15 06:47:00</td> </tr> </tbody> </table>		Name	Value	Source	Received	Olive Johnson	Oliver Johnson	Dynamics Europe - 179610-4...	2020-05-15 06:47:07		Olivia Johnson	SAP London - 16840504-2501	2020-05-15 06:47:00
Name	Value	Source	Received											
Olive Johnson	Oliver Johnson	Dynamics Europe - 179610-4...	2020-05-15 06:47:07											
	Olivia Johnson	SAP London - 16840504-2501	2020-05-15 06:47:00											

Cancel Unmerge Select Surviving Values

For more information, refer to the Match and Merge Clerical Review - Unmerge topic in the Matching, Linking, and Merging documentation.

Added Source Data Management

The storing of source data introduced in release 10.0 could have a significant data storage impact over a period of time, especially if the system was required to continuously import frequent changing values.

Now, the following new ways of managing the source data are introduced:

- A new event processor can automatically perform incremental purging of historical source data revisions, and simultaneously, optimize the storage to keep a low data storage footprint.
- A new bulk update operation can purge all source data on source records included in the assigned golden record collection.

For more information, refer to the Storing Source Records for Golden Records topic in the Data Governance documentation.

Added Source Data Lineage to the Source Traceability screen

The Source Traceability Web UI screen previously showed the revision history for each value to give users insight into which records introduced various values. Now, this screen is enhanced to include the source data

values that did not survive on the golden record. This tracking gives a better understanding of the entire individual source record eventually helping the user to decide whether additional merge or unmerge activities are needed.

The screen now also shows any merge and unmerge actions performed on the golden record.

Olive Johnson INDIVIDUAL CUSTOMER • ID: 248854

Overview **Source Traceability** History Household Confirmed Non Matches Household Deduplication

Displaying revision [3.2] 2020-10-07 15:56:26 CEST • Updated

	Value	Source	Action	Revision	Timestamp
First Name	Olive	USERE	Updated	3.2	2020-10-07 15:56:26 CEST
Middle name	(No value)	USERE	Updated	3.2	2020-10-07 15:56:26 CEST
Last Name	Johnson	SAP London - 16840504-2501	Updated	1.0	2020-05-15 12:47:00 CEST
Last Edit Date Record	2020-01-15 15:00:00	SAP US - 38244430-7946	Merged from: Olive Johnson	3.0	2020-05-15 12:48:54 CEST
Source System	Dynamics Europe	Dynamics Europe - 179610-4248	Updated	2.0	2020-05-15 12:47:06 CEST
	SAP London	SAP London - 16840504-2501	Updated	1.0	2020-05-15 12:47:00 CEST
	SAP US	SAP US - 38244430-7946	Merged from: Olive Johnson	3.0	2020-05-15 12:48:54 CEST

▶ Save
Create node
Unmerge
Request Unmerge

For more information, refer to the Golden Record Source Traceability Screen topic in the Matching, Linking, and Merging documentation.

Extended Supplier Self-Service Onboarding solution

The Supplier Self-Service Onboarding solution has been expanded extensively. Designed to enable businesses in the retail, consumer packaged goods, wholesale, and manufacturing supplier market sectors, the Supplier MDM solution supports the supplier onboarding process from initial registration to supplier evaluation, qualification, and approval. Once approved, suppliers may maintain their products and services via a configured supplier interface. Seeking to combine supplier data with the product data domain, the Supplier MDM offers a single source of truth that is consistent for all suppliers.

To accommodate this broader scope of Supplier MDM, entity object types can now be used. Previously, this solution only functioned with product and asset object types.

This functionality is accessible on systems with the Supplier Self-Service Onboarding commercial license activated.

For more information, refer to the Supplier Web UI topic in the Web User Interfaces documentation. Also, refer to the Supplier Self-Service for Onboarding topic in the Customer MDM Solution Enablement section of the Solution Enablement documentation.

SAP-certified integration via DEBMAS / CREMAS connectivity

SAP-certified DEBMAS and CREMAS iDoc connectivity is used to replicate customer and supplier master data between STEP and SAP ECC R3 and SAP S/4 HANA. These SAP-certified integration approaches are based on SAP-endorsed technologies, which have been pretested to ensure quick and easy integration with SAP.

Provided miscellaneous fixes to improve the quality of the Customer MDM solution

Several enhancements are included:

- Updated the version of Loqate Local to the latest available version. For more information, refer to the Loqate Local License Key & Data Package Update topic in the Data Integration documentation. Loqate Local access is available on systems with the STEP Address Validation commercial license activated.
- Resolved a scenario where if the same source record was added to the system via two web services simultaneously, the system would create multiple active golden records with the same ID.
- Introduced a constraint on Match and Merge matching algorithm survivorship rules that prohibit the algorithm from changing any other nodes than the target. This constraint is in line with the general purpose of survivorship rules, which is to update a Golden Record with values from a number of source records. Previously, it was possible for survivorship rules updating Golden Record A to also apply changes on referenced Entity B. While that scenario worked for some use cases, it was prone to errors.

The Customer Domain commercial license is required to be activated to use the functionality as described above.

Product MDM for Automotive 10.1 - 7.0.32 Release Notes

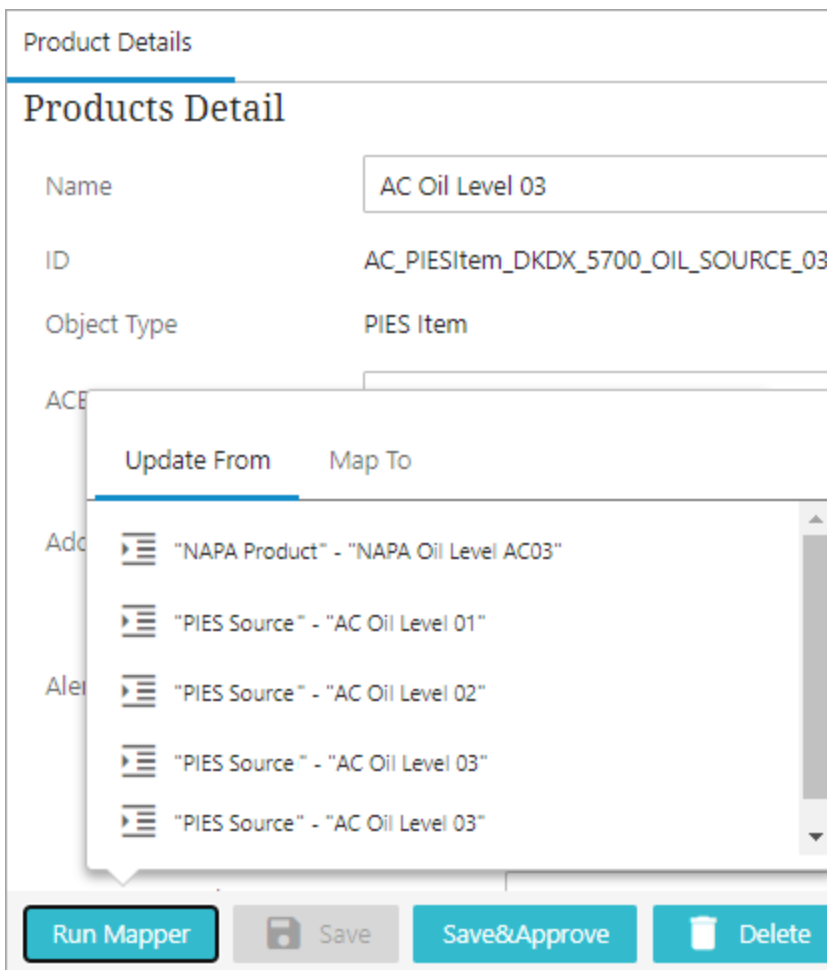
Release Date: December 10, 2020



NEW FEATURES

■ New 'Stacked Mapper Action' button to execute Mapper Configurations

Previously, users had to select mapper actions to execute based on multiple independent buttons. Now, a new Stacked Mapper Action button has been added that will stack the multiple mapper actions into one dialog window. When the action button has been configured on a product, clicking the button will display a dialog that lists all the Mapper Configurations that can be executed on the Source object or from the Target object. If the selected object is itself both the Source object and the Target object, then the Mapper configurations that can be run on the selected Source object and the Mapper Configurations that can be run from the selected Target objects will be listed in separate tabs within the dialog (as shown in the image below).



A status message dialog will be displayed when the user clicks on the Mapper Configuration. This dialog shows the execution status of the Mapper Configuration in the top center of the screen. More details on the execution status can be found by clicking the 'Click for details' link in the message dialog.

This action button contains the same features and functionality as the existing Mapper Action button, as well as:

- The ability to add multiple Mapper Configurations within a parameter called 'Mappings' in the designer screen. This allows multiple Mapper Configurations to be displayed for the user to select when the action button is clicked.
- Users can configure the action button to run on both the Source and the Target object screens. If the selected object itself acts as both the Source and the Target object, then the Mapper Configurations belonging to either of the cases will be listed in separate columns within the dialog. In the designer screen, users can define whether the Stacked Mapper Action button is to be run as Source, Target, or both as Source and Target.

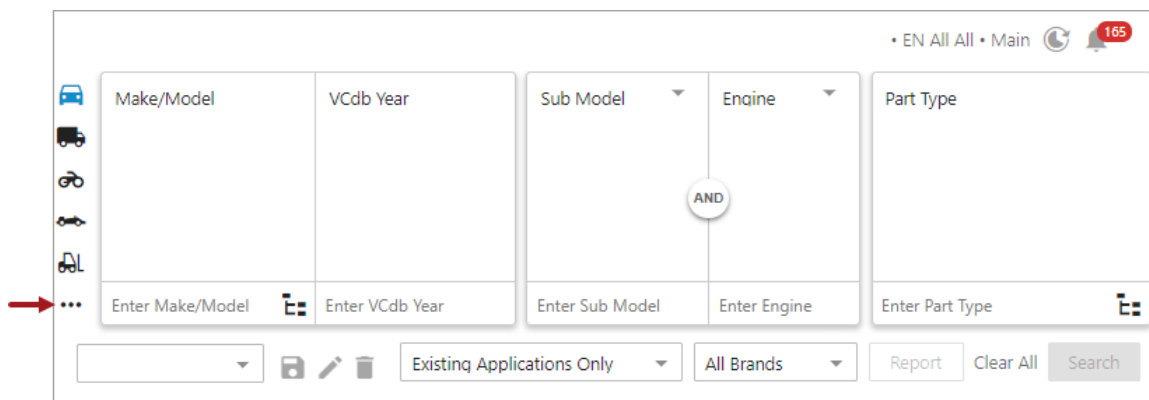
■ Updated Easy Setup to remove Note Type from Application Comment table header component

Step 2 of AutoCare Easy Setup has been updated to remove the 'Note Type' Reference Metadata Value Header from the Application Comment table header component in the Auto Care Web UI. In addition, Easy Setup will create a new Description attribute called Note Type Calculated (AC_NoteTypeCalculated) below attribute group ID = AC_ACESAttributes (Text Validation Base Type, Calculated = Yes, Value template = iterate(referencetarget(), 'value("AC_ACESNoteType")'), Valid for Product Reference Type = AC_ACESApplicationToApplicationNote) and add the attribute as an Attribute Value header in the Application Comment table header component to display the Note Type.

Existing implementations will need to manually create the Note Type Calculated attribute and add it to the Application Comment table header component.

■ The Application Manager Screen can now be configured with unlimited Vehicle Type Search Panels

Previously, the Application Manager Screen search panel was limited to display only five Vehicle Type Search Panels. Now, it can be configured to display unlimited Vehicle Type Search Panels. Whenever there are more than five Vehicle Type Search Panels, an ellipsis button will be shown below the fifth Vehicle Type Search Panel that allows users to view more Vehicle Type Search Panels.



■ Improvements to the Onboarding Comparison Screen

The following changes / improvements have been implemented to the Onboarding Comparison Screen:

- Previously, the Applications Stage of the Onboarding Comparison Screen was intended to display / compare only the Application Mapping plugins. Now, if the Object to Object Mapping plugin is configured to create an application record under the Target object, then such Mapping plugins are also compared / displayed within the Applications stage of the Onboarding Comparison Screen.
- If the Business Action Mapping plugin creates or updates an application in the Target object, then the plugins are displayed for comparison in the Applications stage of the Onboarding Comparison Screen.
- Supports a comparison of the Children of Type Mapping plugins. If the Target object's children are application objects, then such Source objects and Target objects are compared / displayed in the Applications stage of the Onboarding Comparison Screen. Otherwise, it will be compared / displayed in the Objects stage of the Onboarding Comparison Screen.
- Supports comparison of the Automatic Mapping plugins. The Onboarding comparison is displayed in the Attributes stage of the Onboarding Comparison Screen.
- Previously, the table headers were displayed in the order of 'Target attributes,' '[Current STEP] values,' '[Supplier] values,' and then the '[Updated STEP] values.' Now, the order has been rearranged to be displayed as follows: 'Target attributes,' '[Supplier] values,' '[Updated STEP] values,' '[Current STEP] values.'
- Previously, when the user clicked Hide Equal button after navigating from the Confirm stage to the Attributes stage, an error was displayed on the screen. Now, this issue has been fixed.
- Within the '[Updated STEP] values' column, the info icon has been corrected to display the transformations applied, if any. If there are no transformations applied while onboarding the data, then the info icon will not be visible. Previously, an empty info icon was displayed when there were no applied transformations.

■ Updated 'Value editor' dialog of the ACES Application Qualifier table header component

Previously, the parameter type was not displayed in the Qualifier Template section of the 'Value editor' dialog that gets displayed when users clicked on the ACES Application Qualifier table header component cells. Users can now identify the parameter type, as shown in the screenshot below ('name,' 'size,' 'type').

Value editor - 1 item selected

24757 · **[[P1]]** does not recommend installing a **[[P2]]** suspension system on vehicles with a **[[P3]]** rear tail shaft housing as rear universal wear will be accelerated and driveline vibration will occur.
🗑️

Qualifier Template

24757 · **[[P1]]** does not recommend installing a **[[P2]]** suspension system on vehicles with a **[[P3]]** rear tail shaft housing as rear universal wear will be accelerated and driveline vibration will occur.

↓

✎ Override Qualifier...

P1 [name]

P2 [size]

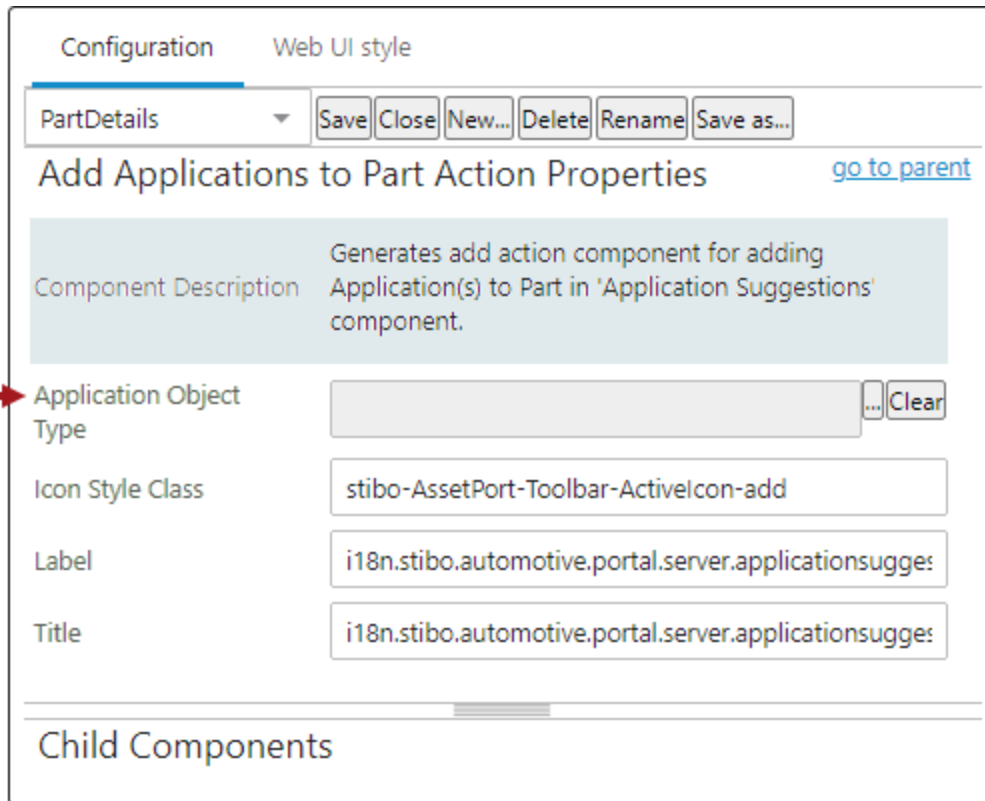
P3 [type]

Add Qualifier...

Cancel OK

■ New 'Application Object Type' parameter in Add Applications to Part Action Properties designer screen

A new parameter called 'Application Object Type' has been added to the 'Add Applications to Part Action' button configuration that sets the default object type to be used when adding / creating an application record from the suggestion list. If there are multiple object types for an application record in the system and the 'Application Object Type' parameter is blank, the system will throw an error when an application is added from the application suggestion list.



■ Updated PAdb Importer to set the delete flag

Previously, the delete flag functionality did not handle attributes and 'file' delta calculation method. Now, the PAdb Importer has been updated so that the PAdb attributes will get flagged as deleted if changes have been made when importing the latest file compared to the previously imported file. The PAdb importer Delta calculation method parameter must be set to 'file' to set the delete flag.

Easy Setup action will not set the Delete status attribute in the PAdb importer Delta calculation. Users have to manually configure an attribute that holds the delete flag in the Delta calculation state.

For more information on the change flag functionality, refer to **Update Delete Status Attribute and Delta Calculation Method in Import Workflows** topic.

■ New Application Suggestion component plugin called 'Referenced By Part's Application Suggestion Plugin'

A new suggestion plugin called 'Referenced By Part's Application Suggestion Plugin' has been implemented that suggests another part's application records. When the user adds a Product Reference Type in this new suggestion plugin, the component follows the reference type and suggests the application records of the source part that references the selected part. Logically, the selected part must be referenced by a part so that the source part's application records are displayed as suggestions.


■ **New table header component called 'Number Suggestion Node Detail'**

A new table header component called 'Number Suggestion Node Detail' has been added for configuration on the 'Part Number Suggestions' and 'Advanced Part Number Suggestions' components. This table header component displays intermediary transitional objects that are involved in suggesting a part number for the selected part. For example, suppose the Referenced Chain plugin with a maximum allowed chain size of four is used to suggest a part number. In that case, all those four intermediary objects that are involved in suggesting the part number (last object in the chain) will be displayed in this table header.

■ **New table header component called 'Application Suggestion Node Detail'**

A new table header component called 'Application Suggestion Node Detail' has been added for configuration on the 'Application Suggestions' component. This table header component displays intermediary transitional objects that are involved in suggesting an application record for the selected part. For example, suppose the 'Referenced Competitor / OE Number Part's Applications' plugin is used to suggest an application record. In that case, the Competitor / OE Number part that is involved in suggesting the application record will be displayed in this table header.

■ **New red highlighting of cells with invalid condition attributes / references in Application Manager Screen**

A new feature has been added to the 'Application Condition header - Grouped' and 'Application Condition header - Single' table header components that highlight the cell with invalid condition attributes / references. In addition, a red info icon () will be available within the cell that will display the error reason when hovering over the cell.

	Name	Part Terminology	Part Number	Targets	Options	ID
<input type="checkbox"/>	7.00294.17.0 Spark Plug	Spark Plug	7.00294.17.0	2011 Audi Q5	ACES Application To Application Note: 168, A.T., Actual OE Part, Eng Desg 2L, 1/2" Reach, Non QGS Type Aspiration: Turbo/Aftercooled Bed Length: "33.7in, 85.6cm" Brake ABS: 2-Wheel ABS	1554985244344
<input type="checkbox"/>	7.02851.20.8 Spark Plug	Spark Plug	7.02851.20.8	2011 Audi S4	ACES Application To Application Note: QGS Type, Eng Desg 2L Aspiration: Supercharged 4-Wheel ABS Brake ABS: 4-Wheel ABS	
<input type="checkbox"/>	H72060071 Spark Plug	Spark Plug	H72060071	2011 Audi Q7	ACES Application To Application Note: "Quality, German Engineering", QGS Type Aspiration: Turbo/Aftercooled/Intercooled Bed Length: "46.5in, 118.1cm" Brake ABS: N/A	1555319281749

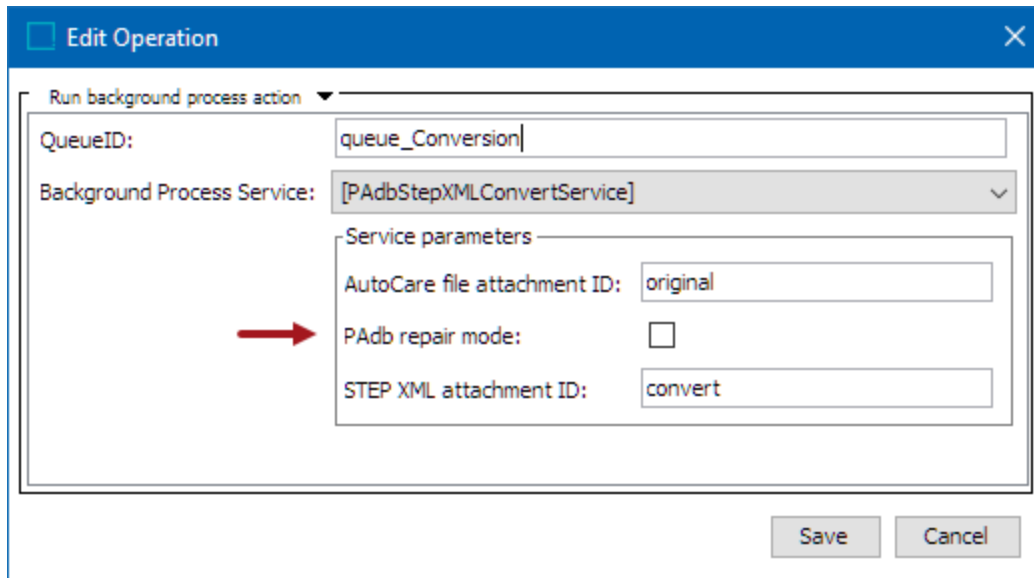
Vehicle '2011 Audi S4' does not exist with:
'Aspiration' = [Supercharged], 'Brake ABS' = [4-Wheel ABS]

■ New 'PAdb repair mode' parameter is available in the PAdb Conversion state

A new parameter titled 'PAdb repair mode' has been introduced in the PAdb Conversion state that checks for the change in the attribute validation base type.

If this parameter is selected, then the PAdb Conversion state will do the following:

- Checks if there is any change in the validation base type for the already present PAdb attributes in the system.
- If the validation base type is changed from Text to LOV, then a check is run for the populated attribute values in the system.
- If there is a conflict with the existing values, the system will try to fix it by changing the value to be the first letter upper case. For example, 'spark plug' should instead be 'Spark Plug.' If it fails to fix the issue, then a log is written to the BGP.



BUGFIXES

All Standards

- **Updated some table header components to also be available in the regular Node List component**

The following table header components have been updated to also be available in the regular Node List component:

- Importflow Attachment
- Importflow Overall Status
- Importflow State Background Process
- Importflow State Log
- Importflow State Report
- Importflow State Status

Previously, these table header components were only available in the Refreshable Node List component.

- **Improved performance of the Part Search Box in the Application Manager Screen**

A search criterion of the Application Manager Screen that includes the combination of Part Search Box and Hierarchy Restriction dropdown has been optimized for performance.

■ Updated Easy Setup to no longer create decommissioned components

Easy Setup of all standards has been updated to no longer create decommissioned components / screens in the Web UI.

■ Fixed Unexpected error generated in the Application Manager while editing in the Application Condition Header - Group table header cell

Previously, an Unexpected error was generated in the Application Condition Header - Group table header cell when users tried to add value / object to an empty multivalued attribute / reference within the cell. This issue has been corrected.

■ Changed few names of the existing Product MDM for Automotive components

Names of a few existing Product MDM for Automotive components have been updated in the Web UI to avoid confusion for users. The changes are as follows:

- The existing Faceted Search Node Picker Dialog component has been renamed to **Faceted Node Picker Dialog**.

The parameter name and the description texts for some parameters that are available within the Create Application Action Properties designer screen have been changed.

In addition, the parameter name and the description texts for some parameters that are available within the Faceted Search Node Picker Dialog Properties designer screen have also been changed. For more information on this component, refer to **Faceted Node Picker Dialog** topic.

- The existing Faceted Search Parameter component that is available within the Bulk Application Updates action button has been renamed to **Faceted Node Picker Parameter**.

The parameter name and the description texts for some parameters that are available within the Faceted Search Parameter Properties designer screen have been changed too. For more information on this component, refer to **Faceted Node Picker Parameter Component** topic.

■ Improved performance of the 'Application Condition header - Single' table header component in the Application Manager Screen

Previously, there was a delay caused when filtering the 'Application Condition header - Single' column that included LOV attribute values. This issue has now been resolved.

■ Fixed an issue related to Validation Path parameter in Options Group Search Box

Previously, the Validation Path parameter that provided a validation path for the option being configured in the Application Manager Screen had issues in retrieving the child object Name. These issues have now been resolved.

Auto Care

■ **Updated Application Mapping plugin to identify references linking the custom applications**

Previously, the 'Reference type for Vehicle relation' and 'Reference type for Part Type relation' parameters that are available within the Settings tab of the Application Mapping plugin were not identifying the references established between the custom applications and Base Vehicles / Part types. Now, this issue has been resolved.

■ **Updated 'VCdbChangeHandlingService' background process service to present a more detailed change description**

When importing the VCdb file, it can be difficult to determine the changes that have occurred from one month to another, and to determine why an object has changed. The 'VCdbChangeHandlingService' background process service has been updated to present a more detailed change description in the attribute that stores VCdb change handling details. For more information on the VCdb change handling service, refer to **Using VCdb Change Handling Service** topic.

Further, it is also updated for the attribute to store the change detail in configuration and vehicle objects.

Tree		1938 Studebaker K5 Truck rev.0.12 - Classification	
+	Dictator Model 62	Classification	Sub Products
+	Dictator Model FC	References	Referenced By
+	Dictator Special	Images & Documents	
+	E10	Description	
+	E11	Name	Value
+	E12	ID	AC_BaseVehicle_115255
+	E13	Name	1938 Studebaker K5 Truck
+	E14	Object Type	Base Vehicle
+	E15	Revision	0.12 Last edited by VCDBIMPORT on Tue Oct 27 08:50:42 E
+	E16	Approved	✘ Never Been Approved
+	E17	Translation	Not Translated
+	E28	Path	Classification 1 root/AutoCare Reference Data/Vehicle Conf
+	E38	Visibility	
+	E5	Change Summary Calculated	Updated
+	E6	Deleted	abc
+	E7	Import Source	Complete
+	Flight Hawk	New	abc
+	Four	Updated	abc true
+	Golden Hawk	VCdb Changes	Updated Vehicle: 1938 Studebaker K5 Truck, Base, United S
+	Gran	VCdb Year	1938
+	Hawk		
+	J5		
+	K5 Truck		
+	1938 Studebaker K5 Truck		
+	L5		
+	Model 9503		
+	Model A		

Below is the screenshot of the updated vehicles searched in the Search by Card screen of the Web UI.

Vehicle Search New Vehicles **Updated Vehicles** Deleted Vehicles

Search screen

Make / Model

Enter Make / Model

VCdb Year

Enter VCdb Year

Name

Enter Name

▼

📄
✎
🗑️

Clear All
Search

Select all ▶ Clear Change Flags

Vehicle	Status	Changes
<input type="checkbox"/> 1938 Studebaker K5 Truck	Updated	Updated Vehicle: 1938 Studebaker K5 Truck, Base, United States (2020-09-25)
<input type="checkbox"/> 1968 Pontiac Firebird	Updated	Updated Vehicle: 1968 Pontiac Firebird, HO, United States (2020-09-25) Updated Vehicle: 1968 Pontiac Firebird, HO, Canada (2020-09-25)
<input type="checkbox"/> 1971 Alfa Romeo Berlina	Updated	Updated Vehicle: 1971 Alfa Romeo Berlina, Base, Canada [EngineConfigID changed from: 16368 to: 16254] (2020-09-25)

⏪ < 1-50 of 771 > ⏩ Selected items: 0

For the changes to be written to the configuration and vehicle objects, the AC_VCdbChangeHistory attribute that is manually created for AC_BaseVehicle should be made valid for the following object types also:

- AC_Vehicle
- AC_EquipmentBase
- AC_Equipment
- AC_BedConfig
- AC_BodyStyleConfig
- AC_BrakeConfig
- AC_DriveType
- AC_EngineBase
- AC_EngineConfig
- AC_FuelDeliveryConfig
- AC_MfrBodyCode
- AC_SpringTypeConfig
- AC_SteeringConfig
- AC_TransmissionBase
- AC_Transmission
- AC_Wheelbase

■ **Corrected 'context' Delta calculation method to not create duplicate Price Sheets**

Previously, when the PIES import workflow Delta calculation method was set to 'context,' importing a PIES file created duplicate Price Sheet data containers at the PIES Products node, even though there was no difference about the Price Sheet. Now, it has been corrected to no longer create the duplicate Price Sheets.

Hotfix recipe compatible with STEP 9.2 MP3 + Automotive-7.0.23: `to:hotfix/433/issue-433632-HOTFIX-4574.spr`

TecDoc

■ **Corrected an issue related to erroneously classifying attributes as mandatory**

Previously, some records in the TAF table 328 and 329 were wrongly interpreted as mandatory, thereby setting up some attributes as mandatory attributes. Now, a new config property is added so that the property value can determine if the attribute is to be considered mandatory or not. The config property is: **Automotive.TecDoc.NotMandatoryIfBothZeros=true**. The default value is true.

Hotfix recipe compatible with STEP 9.3 MP3 + Automotive-7.0.27: `to:hotfix/434/issue-434445-HOTFIX-4591.spr`

Hotfix recipe compatible with STEP 9.3 MP4 + Automotive-7.0.27: `to:hotfix/434/issue-434445-HOTFIX-4591.spr`



PATCH RECIPE

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

`to:automotive/7.0/automotive-7.0.32.spr`

The above recipe is compatible with the following STEP 10.1 baseline recipe:

`to:step/platform/step-10.1.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.

Data Exchange Enhancements and Changes

Summary

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

- Support for MongoDB 4.2 and MongoDB 4.4 with a newly installed delivery method.
- Support for eCl@ss Basic version 11.1.
- Support for the latest versions of UNSPSC.
- Support added for ETIM version 8.
- Users can now export / import image conversion configurations and asset push configurations using the STEPXML format.
- Standard mandatory settings can now be respected during Excel Smartsheet exports.
- The file name template parameter for several delivery methods has been added or updated to default with a readable date / time stamp and to include the file name template text in the background process name.
- Large Excel sheet import improvements.
- New Kafka Receiver and Kafka Delivery Method options added to endpoint integrations as part of out-of-the-box functionality available with the platform.
- STEPXML changes include new ReplacementRules and a new element added to the XSD.
- Chaining several post processors for OIEPs can be done with the new Chained Post Processor.
- Imports executed via inbound integration endpoints (IIEPs) or the Import Manager now enable admin users to set the warning severity for objects rejected on import based on a business condition.
- eCatalog customers who use the supported BMEcat formats now have the ability to configure exports of commercial terms through the Export Manager and the outbound integration endpoint (OIEP) editor.
- Appropriately configured outbound and inbound integration endpoints (OIEPs and IIEPs) that fail with errors will now auto-send an email regardless of the error report attachment's size.

Details

New support for MongoDB 4.2, MongoDB 4.4, and driver 4.1

The MongoDB Java driver used by Stibo Systems Enterprise Platform (STEP) has been upgraded to version 4.1, which adds support for MongoDB versions 4.2 and 4.4. Before this release, STEP used MongoDB driver 3.8.12, which supported MongoDB versions through 4.0; versions through MongoDB 4.0 are still supported.

A new delivery method, 'Mongo Delivery (from release 4.2),' has been introduced for MongoDB versions 4.2 and 4.4 in the Edit Delivery Configuration wizard.

Edit Delivery Configuration
✕

Select Delivery Method Mongo Delivery (from release 4.2)

Server(s)

Raw DB prefix

User name

Password

Replace Dollar sign

Replace Dot sign

Use SSL
 Key store location

Trust store location

Actions
[Add action](#)

OK
Cancel

The extension API for accessing the MongoDB has been extended with support for the new Mongo driver API introduced in MongoDB driver 4.1. The new extended support can only be used for the new MongoDB delivery method 'Mongo Delivery (from release 4.2),' while the MongoDB delivery method option introduced prior to 10.1 will use the MongoDB driver API defined for Mongo DB driver 3.8.12. For detailed information, refer to the STEP API Documentation, which is accessible from the Start Page.

For more information on the MongoDB delivery method, refer to the Mongo Delivery Method topic in the Data Exchange documentation.

MongoDB functionality is accessible with MongoDB Adapter commercial license activation.

Support added for latest version of eCI@ss Basic

To continue our commitment to serve the needs of users that utilize eCI@ss as a classification system tool for their products and services, STEP now supports eCI@ss Basic version 11.1. As with eCI@ss Basic's last release (version 11), version 11.1 will continue to be published in XML format 3.0.

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

To access eCI@ss, the eCI@ss Hierarchy Import commercial license activation is needed.

Industry standard updates for UNSPSC

STEP now supports UNSPSC versions 22 and 23. With this update, UNSPSC users can import and have access to the most efficient, accurate classification system UNSPSC has to offer. For more detailed information, refer to the UNSPSC Format topic in the Data Formats documentation.

To access UNSPSC, the UNSPSC Hierarchy Import commercial license needs to be enabled on your system.

Support added for latest version of ETIM format

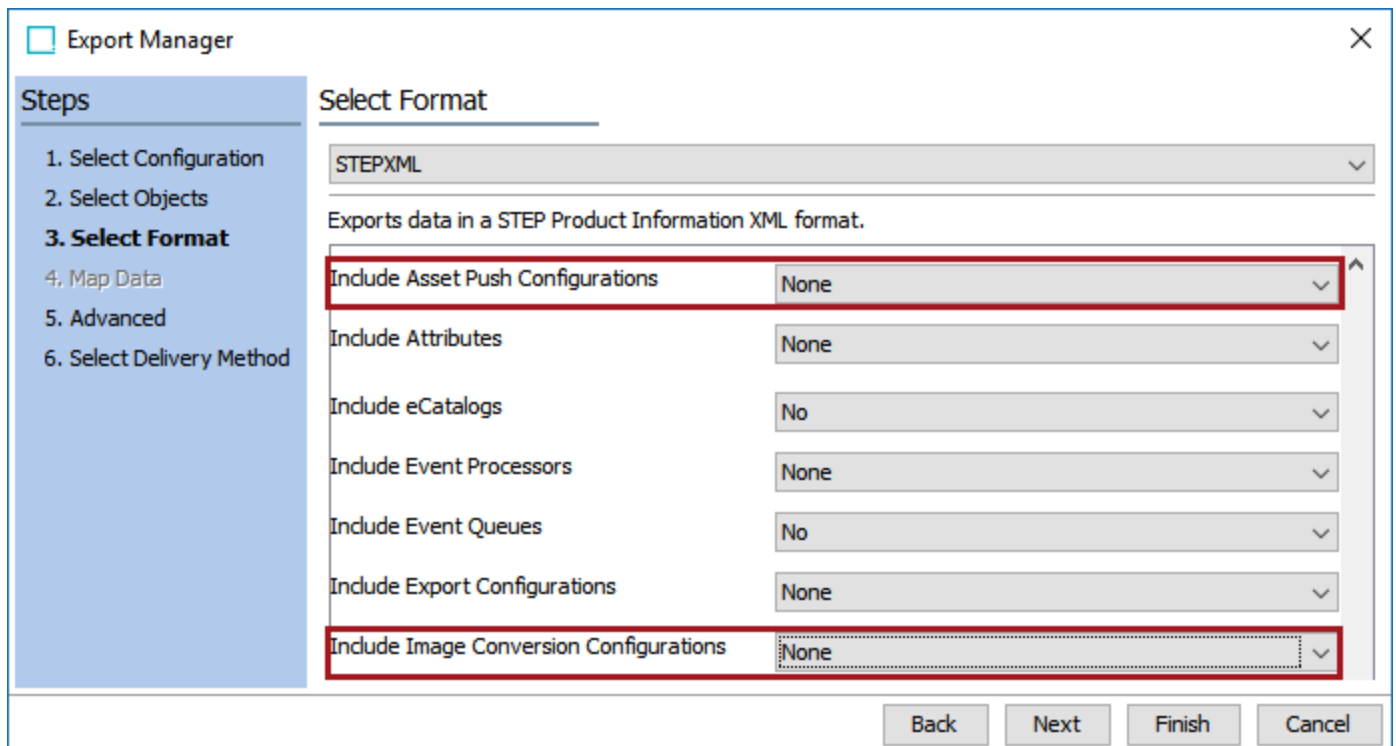
Continuing our service to customers that use the ETIM classification model to share and exchange product data, STEP now supports ETIM version 8. With this update, ETIM users will have the latest version of ETIM, allowing them to comply with the latest industry standards.

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

ETIM functionality is accessible with ETIM Hierarchy Import commercial license activation.

Exporting and importing image conversion configurations and asset push configurations

Users can now export / import image conversion configurations and asset push configurations. This new feature is useful when migrating these configurations across multiple environments. Within the Export Manager, there are two new parameters that allow users to export asset push configurations and image conversion configurations when STEPXML has been selected as the format type.



The screenshot shows the 'Export Manager' dialog box with the 'Select Format' step selected. The format is set to 'STEPXML'. Below this, there are several configuration options, each with a dropdown menu. Two options are highlighted with red boxes: 'Include Asset Push Configurations' and 'Include Image Conversion Configurations', both currently set to 'None'.

Configuration Option	Value
Include Asset Push Configurations	None
Include Attributes	None
Include eCatalogs	No
Include Event Processors	None
Include Event Queues	No
Include Export Configurations	None
Include Image Conversion Configurations	None

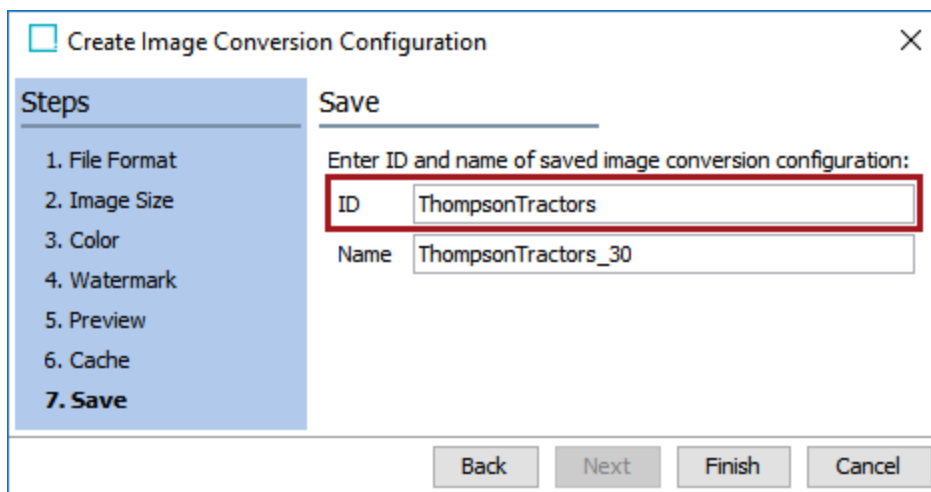
Buttons at the bottom: Back, Next, Finish, Cancel.

For more information, refer to the STEPXML Outbound Parameters topic in the STEPXML Format documentation.

Two new STEPXML tags, <ImageConversionConfigurations> and <AssetPushConfigurations>, will be used to define and contain the values for these configurations within the STEPXML format.

For more information on STEPXML tags, refer to the STEPXML Tags and Examples topic in the STEPXML format documentation.

In addition to the ability to export and import image conversion configurations, users can now either set the image conversion configuration object type to create auto-IDs for image conversion configurations or manually input an ID for image conversion configuration within the 'Create Image Conversion Configuration' wizard.



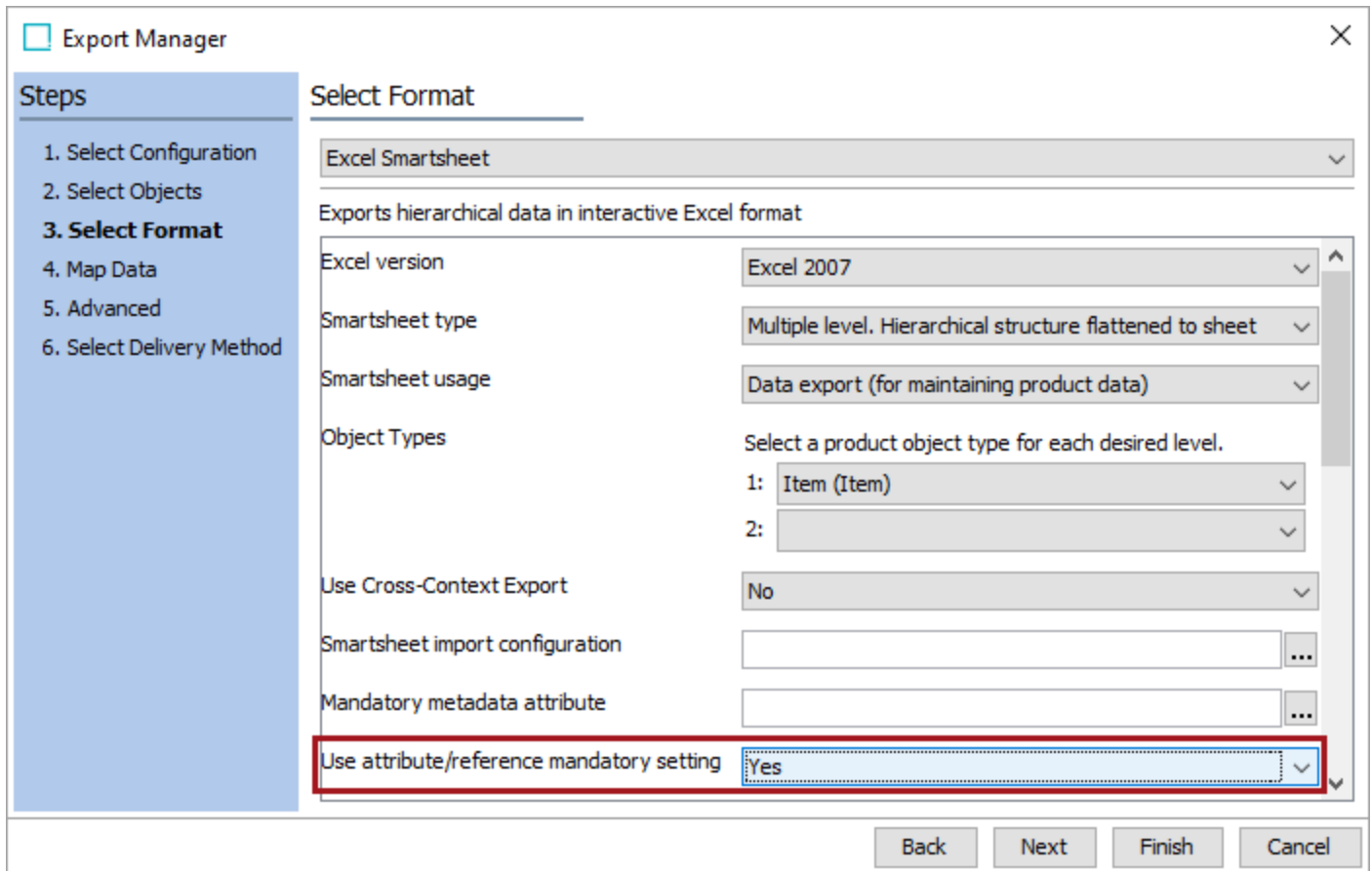
The screenshot shows a wizard window titled "Create Image Conversion Configuration". On the left, a "Steps" list includes: 1. File Format, 2. Image Size, 3. Color, 4. Watermark, 5. Preview, 6. Cache, and 7. Save (which is bolded). The main area is titled "Save" and contains the instruction "Enter ID and name of saved image conversion configuration:". Below this, there are two input fields: "ID" with the value "ThompsonTractors" and "Name" with the value "ThompsonTractors_30". The "ID" field is highlighted with a red border. At the bottom, there are four buttons: "Back", "Next", "Finish", and "Cancel".

For more information, refer to the Image Conversion Configuration topic in the Digital Assets documentation.

Smartsheets respect the standard mandatory attribute settings

Previously, to indicate a value was mandatory in a Smartsheet, an administrator either identified a metadata attribute that stored the setting, mapped the setting in the export configuration, or used the workflow State Editor. These actions were necessary because the standard methods for mandatory (setting on the attribute itself, or on an attribute reference / link) were not supported by Smartsheets. Now, the new 'Use attribute / reference mandatory setting' parameter on the Excel Smartsheet export format can take the standard mandatory settings for all mapped attributes and references / links. To provide backward compatibility, this new parameter is set to 'No' by default. When the parameter is set to 'Yes,' reduced setup is necessary to ensure that an attribute or reference / link value is required when validating a Smartsheet.

Additionally, the metadata attribute (identified by the 'Metadata mandatory attribute' parameter), the mapping option in the export, and the workflow mandatory settings continue to work without any change in existing functionality.



Export Manager

Steps

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

Select Format

Excel Smartsheet

Exports hierarchical data in interactive Excel format

Excel version: Excel 2007

Smartsheet type: Multiple level. Hierarchical structure flattened to sheet

Smartsheet usage: Data export (for maintaining product data)

Object Types: Select a product object type for each desired level.

1: Item (Item)

2:

Use Cross-Context Export: No

Smartsheet import configuration: ...

Mandatory metadata attribute: ...

Use attribute/reference mandatory setting: Yes

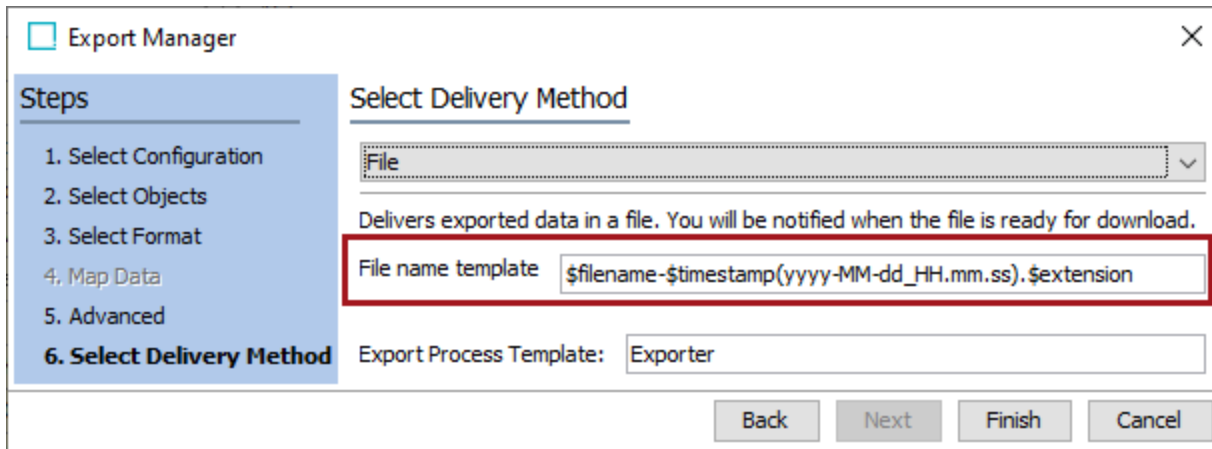
Back Next Finish Cancel

For more information, refer to the Mandatory Attributes and References in Smartsheets topic in the Data Exchange documentation.

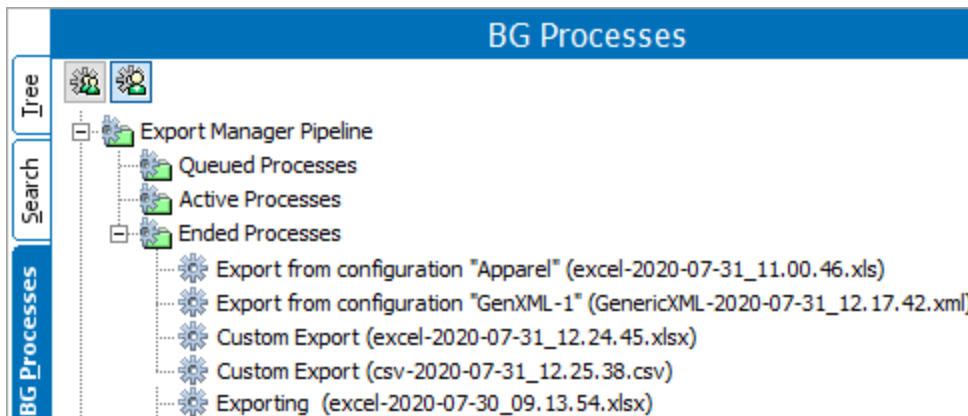
Smartsheet functionality is accessed via the activation of the STEP Supplier Item Web UI commercial license or the STEP Smart Sheets commercial license. Contact your account manager or partner manager to begin the process of enabling a license or licenses for your system.

New output default file name template improvements

Previously, the file name template parameter was not available for all export delivery methods which resulted in the same file name being used repeatedly. Using the default file name template available included a unique timestamp but was not easily recognizable as a date. Now, when creating a new configuration with an export delivery method that includes the file name template parameter, by default the timestamp variable includes a human-readable date / time. Additionally, the text generated by the 'File name template' is included in the background process name, allowing users to easily match output with the background process that generated the file. Existing saved configurations that used the default file name template also now automatically include the new date / time stamp and potentially different text dependent on the format selected. **This constitutes a change in functionality.** If a downstream system that consumes the exported data requires the previous default file name, manual updates must be made to the Export Manager configuration or the OIEP configuration to overwrite the new default and restore the expected file name.



This new default creates a unique file name such as 'excel-2020-07-31_12.24.45.xlsx' where the date and time for the output file are obvious.



Modifying the template to include descriptive static text like 'UpdatesRequired' (shown below) provides a one-to-one relationship between the exported output and the background process that generated it.

Select Delivery Method

File

Delivers exported data in a file. You will be notified when the file is ready for download.

File name template: UpdatesRequired\$filename-\$timestamp(yyyy-MM-dd_HH.mm.ss).\$extension

Export Process Template: Exporter

BG Processes

- Export Manager Pipeline
 - Queued Processes
 - Active Processes
 - Ended Processes
 - Exporting ComputerProducts (UpdatesRequiredexcel-2020-09-22_14.06.50.xls)
- Export to Transfer Package

Exporting ComputerProducts (UpdatesReq

Background Process Queue Info

Properties

Execution Report

Result

Exported file	UpdatesRequiredexcel-2020-09-22_14.06.50.xls
---------------	--

Additionally, the default file name template is now available for email, file, FTP, or SFTP in the structured translation wizard.

Request Translation - Data Objects

Steps

- Select Configuration
- Object Selection
- Filter
- Select Target Language
- Feedback
- Delivery**

Delivery

Translation Method: XML

Filter spreadsheet:

Delivery Method: File

Skip Verification:

Delivers exported data in a file. You will be notified when the file is ready for download.

File name template: \$filename-\$timestamp(yyyy-MM-dd_HH.mm.ss).\$extension

Back Next Finish Cancel

For more information about existing configurations, refer to the Maintaining a Saved Export Configuration topic in the Data Exchange documentation. For details about exporting from Web UI, refer to the Custom Export Action topic and the Export Action section of the Action Buttons topic in the Web User Interfaces. For information about exporting translations, refer to the Structured Translation topic in the Translations documentation.

Large Excel sheet import improvements

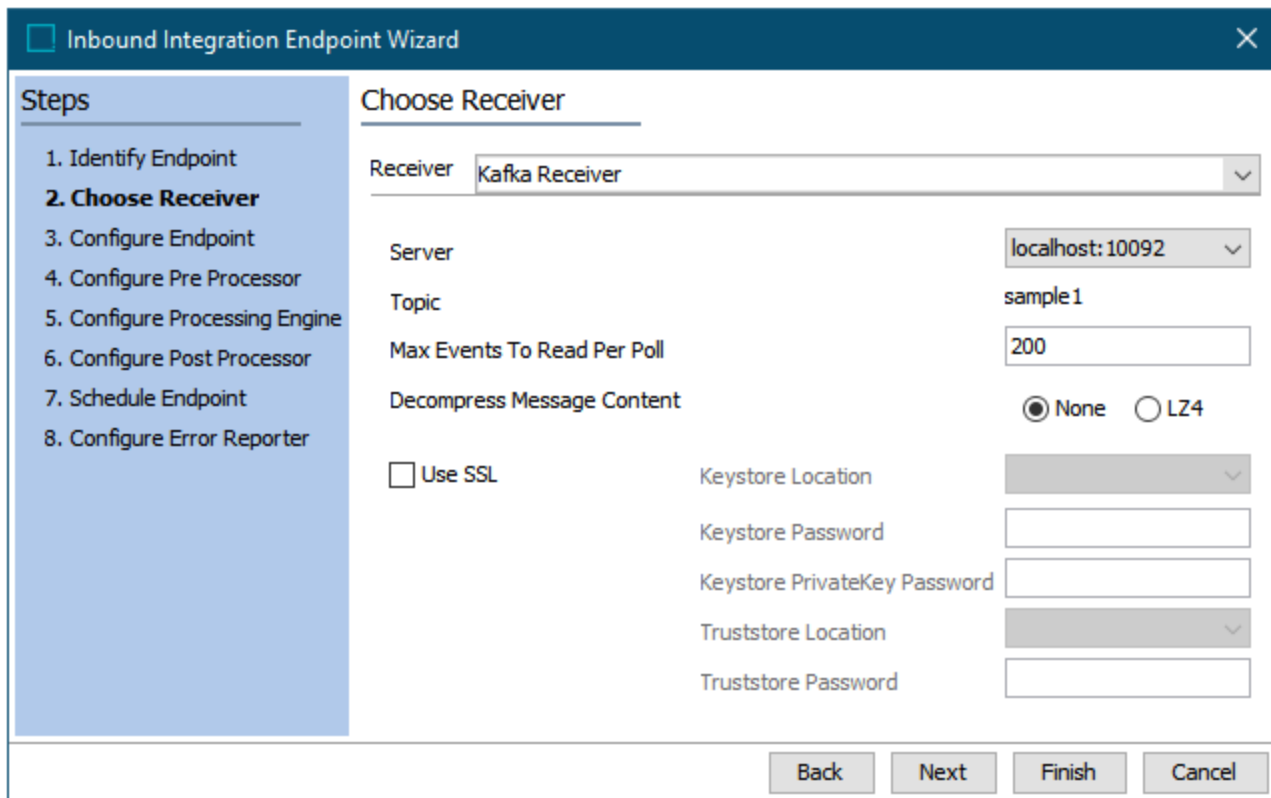
Import processing of large Excel sheets (.xlsx files) via the Import Manager is now a better experience for end users. This performance improvement is limited to '.xlsx' files and does not impact Excel sheets saved in an older binary format.

For more information, refer to the Import Manager - Select Format topic of the Import Manager documentation.

New out-of-the-box Kafka inbound and outbound connectivity options

Customers that integrate STEP with Apache Kafka, an open-source distributed event-streaming data platform, can now take advantage of built-in options for both inbound processing from and outbound delivery to a Kafka topic allowing for the exchange of data with upstream systems (i.e., ERP and CRM) and downstream systems (i.e., web, sales points, and distribution).

With this release, a new Kafka Receiver option is available when configuring an inbound integration endpoint.

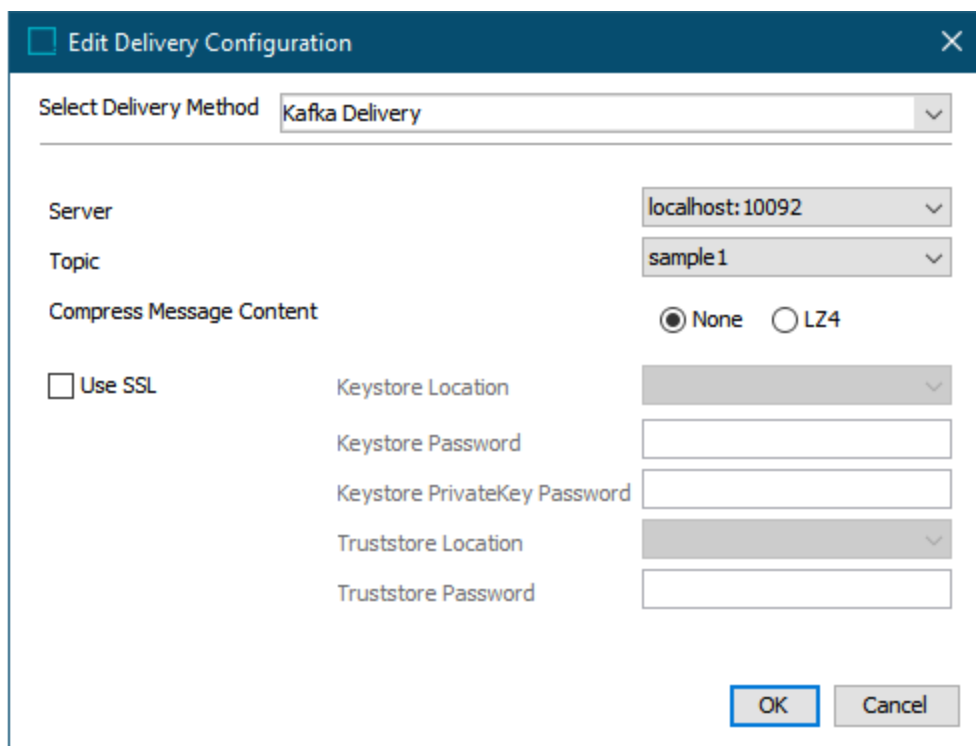


The screenshot shows the 'Inbound Integration Endpoint Wizard' window. On the left, a 'Steps' sidebar lists eight steps: 1. Identify Endpoint, 2. Choose Receiver (highlighted), 3. Configure Endpoint, 4. Configure Pre Processor, 5. Configure Processing Engine, 6. Configure Post Processor, 7. Schedule Endpoint, and 8. Configure Error Reporter. The main area is titled 'Choose Receiver' and contains the following configuration options:

- Receiver:** A dropdown menu set to 'Kafka Receiver'.
- Server:** A dropdown menu set to 'localhost:10092'.
- Topic:** A text input field containing 'sample1'.
- Max Events To Read Per Poll:** A text input field containing '200'.
- Decompress Message Content:** Radio buttons for 'None' (selected) and 'LZ4'.
- Use SSL:** An unchecked checkbox.
- Keystore Location:** A dropdown menu.
- Keystore Password:** A text input field.
- Keystore PrivateKey Password:** A text input field.
- Truststore Location:** A dropdown menu.
- Truststore Password:** A text input field.

At the bottom of the wizard, there are four buttons: 'Back', 'Next', 'Finish', and 'Cancel'.

When configuring an outbound integration endpoint, a Kafka Delivery Method is now available.



Considerations and Limitations

- Customers who use Audit Messaging Framework and want to use the same Kafka broker(s) for inbound / outbound connectivity will need to make sure they are on the same version of Kafka that is being used for the connector before using the new receiver and delivery methods. Information regarding supported versions can be found in Online Help.
- Kafka imposes a default configured maximum of 1 MB message size. To overcome this limitation, users can:
 - Configure an endpoint post processor to split up STEPXML messages to only events for a single node per message using the new 'Generic STEPXML Splitter' option.
 - Use the 'Flattened' Split mode option to further reduce the size of the individual event messages.
 - Configure compression of the event content as well using LZ4 as a compression format.

Before using this functionality, it is important that users familiarize themselves with the prerequisites described in the Kafka Delivery Method topic in the Outbound Integration Endpoints section and Kafka Receiver topic in the Inbound Integration Endpoints section, both in the Data Exchange documentation.

STEPXML import improvements

The STEPXML import functionality has been improved with new options for updating the STEP configuration.

Two new replacement rules options for STEPXML imports

Two new replacement rules options for STEPXML imports have been added:

- ReplacementRules > LinkTypes > ReplaceAttributeGroupLinks allows replacement of link type (reference type and classification product link type) to attribute group links.
- ReplacementRules > LinkTypes > ReplaceAttributeLinks allows replacement of links between link types (reference types and classification product link types) and attributes, i.e., the links that make an attribute valid for a link type.

For information about the new tags, refer to the ReplacementRules Tag in STEPXML topic in the Data Formats section of the Data Exchange documentation.

New option for deleting attributes via STEPXML import

A new 'DeleteAttribute' element valid under the existing 'DeleteAttributes' element has been added. The element has a required 'ID' attribute and an optional 'Force' attribute that when set to 'true' allows deleting attributes with values.

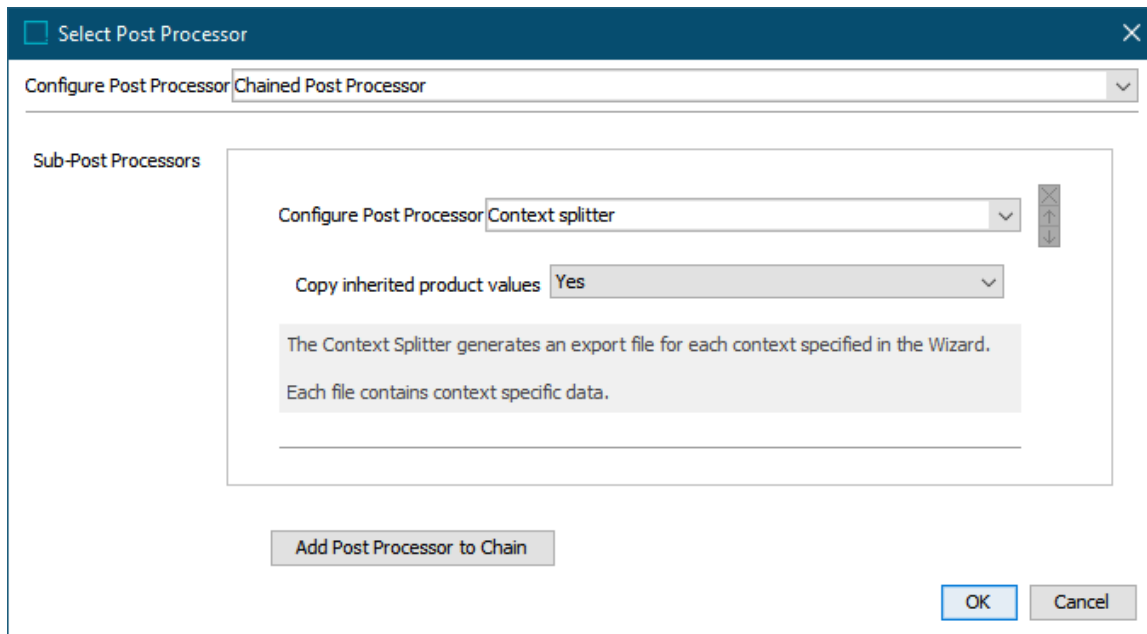
For more information, refer to the STEPXML XSD link to download the PIM.XSD in the STEP API documentation available at [system]/sdk or accessible from the system Start Page.

Updated ability to move Setup Groups via import

Setup groups can now be moved via a STEPXML import both by importing nested setup group structures and by using the existing ParentID attribute.

Chaining post processors for Outbound Integration Endpoints

A new post processor (Chained Post Processor) has been created, which allows the user to combine several other post processors, like the XSLT and the ContextSplitter post processors.

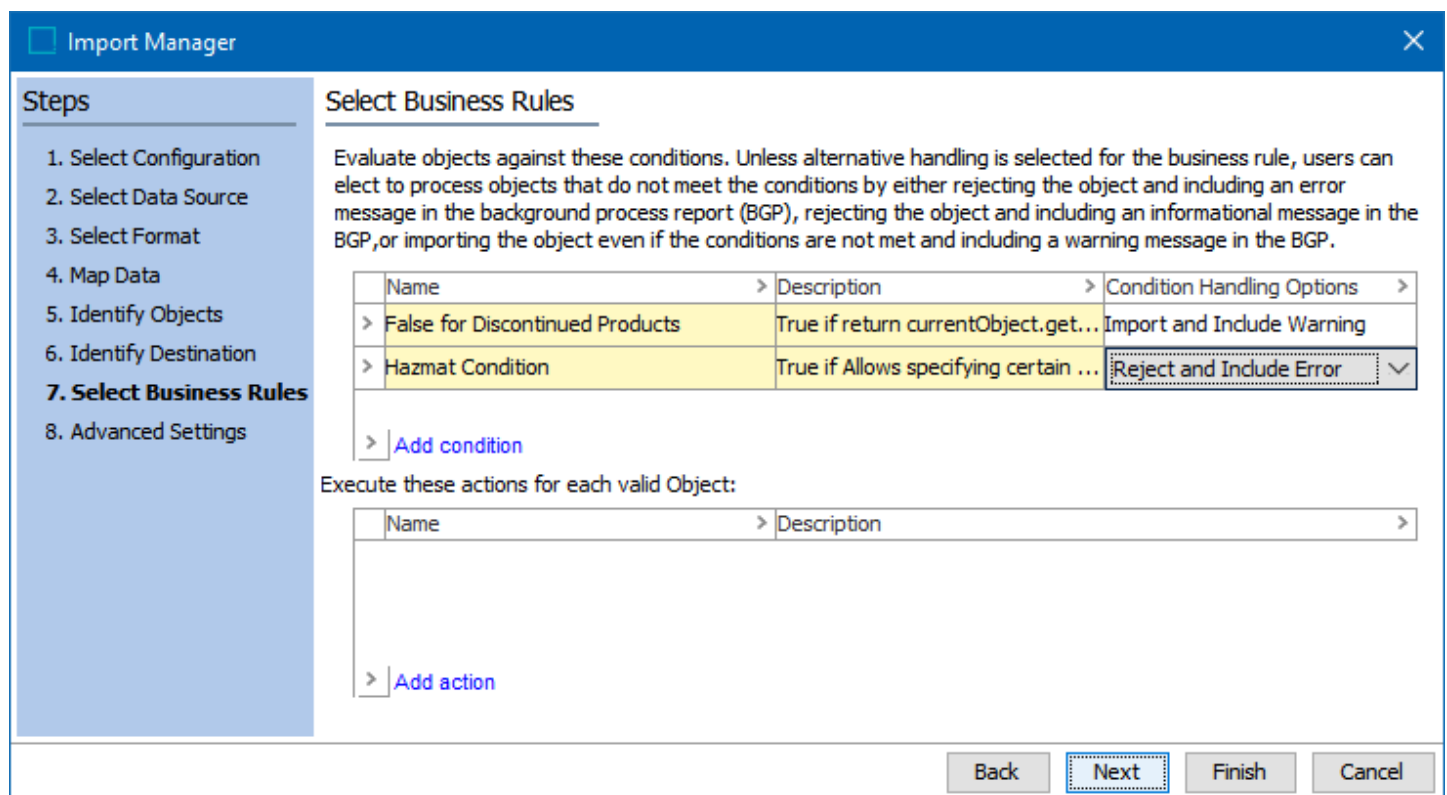


Import rejection message severity on imports now configurable

Imports executed via inbound integration endpoints (IIEPs) or the Import Manager now enable admin users to set the warning severity for objects rejected on import based on a business condition. Previously, a business condition set to prevent import of specific objects would display in the Execution Report of the Background Process (BGP) as an error, and the BGP would finish with 'Completed with Errors.' Because rejection of imported objects based on a configured business condition is, in most cases, the desired scenario, this update ensures the system does not incorrectly assign a 'Completed with Errors' status to an error-free BGP. By enabling configurability on the warning severity of blocked import objects, a clearer, more accurate process resolution status and report is now accessible for all users.

On the 'Select Business Rules' step in either the Import Manager or Inbound Integration Endpoint wizards, there is a new column called 'Condition Handling Options.' In this column, there is a dropdown of options from which the user may select for each added business condition.

Pictured below is the new import rejection severity level option dropdown for the Import Manager wizard:



Import Manager

Steps

- Select Configuration
- Select Data Source
- Select Format
- Map Data
- Identify Objects
- Identify Destination
- Select Business Rules**
- Advanced Settings

Select Business Rules

Evaluate objects against these conditions. Unless alternative handling is selected for the business rule, users can elect to process objects that do not meet the conditions by either rejecting the object and including an error message in the background process report (BGP), rejecting the object and including an informational message in the BGP, or importing the object even if the conditions are not met and including a warning message in the BGP.

Name	Description	Condition Handling Options
> False for Discontinued Products	True if return currentObject.get...	Import and Include Warning
> Hazmat Condition	True if Allows specifying certain ...	Reject and Include Error

> Add condition

Execute these actions for each valid Object:

Name	Description
------	-------------

> Add action

Back Next Finish Cancel

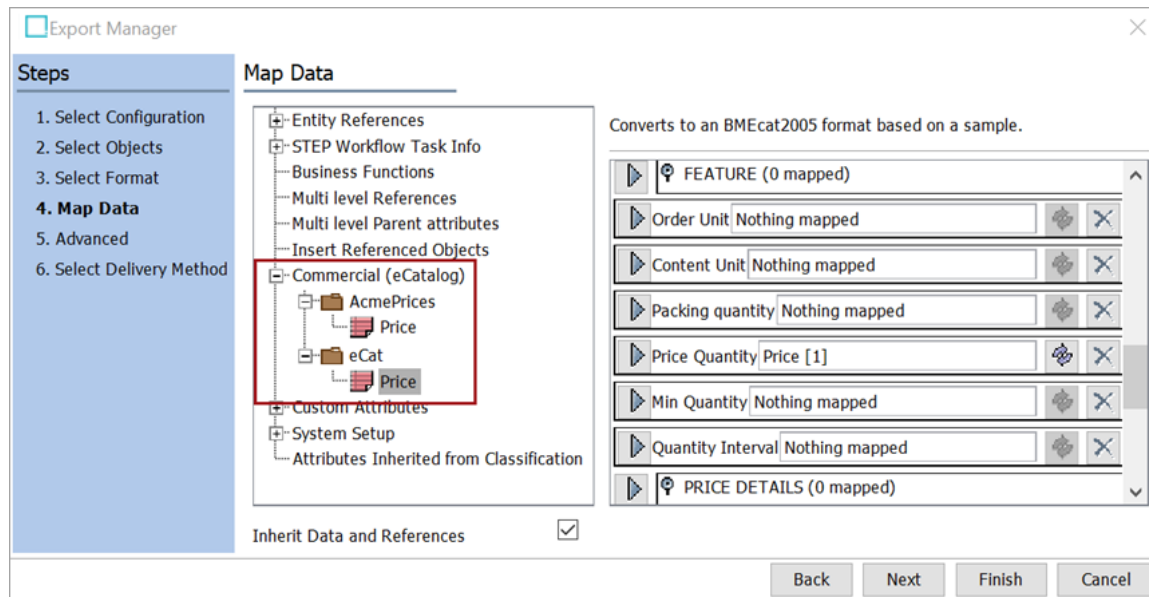
The option displayed, 'Reject and Include Error,' is the default setting. When selected, rejected import objects will be listed on the execution report as errors, and the import's BGP may finish with a status of 'Completed with Errors.' This mirrors how business condition import errors were handled prior to this update.

Descriptions of the other options can be found in online help.

For more information on importing via the Import Manager, refer to the Import Manager topic in the Data Exchange documentation. For more information on importing with inbound integration endpoints, refer to the Inbound Integration Endpoints topic, also in the Data Exchange documentation.

New support for commercial terms when mapping a BMEcat export in OIEPs and Export Manager

eCatalog customers who use the supported BMEcat formats (BMEcat and BMEcat 2005) now have the ability to configure exports of price lists and commercial terms through the Export Manager and the outbound integration endpoint (OIEP) editor. As shown in the screenshot below, users have access to the configured commercial terms hierarchy when mapping a BMEcat export.



Previously, price lists and commercial terms could not be mapped for eCatalog exports using the BMEcat format.

To access BMEcat and BMEcat 2005, the BMEcat commercial license must be activated for your system.

For more information on the BMEcat format, refer to the BMEcat Format topic and BMEcat 2005 Format topic in the Data Exchange documentation.

Notification email sent without error report attachment when report is too large

Appropriately configured outbound and inbound integration endpoints (OIEPs and IIEPs) that fail with errors will now auto-send an email regardless of the error report attachment's size: if the error report is too large, it will not be attached; if the error report is within the configured size limits, the email will be sent with the report attached. The file type of the attached report will be an .html file. If the .html file is larger than the configured maximum, the file will be zipped and attached as a .zip file. If the .zip file is larger than the configured maximum, the email will be sent with no attachment.

Previously, if integration endpoints ended with a fatal exception and the error report was larger than 10 megabytes (MB), no email would be sent at all. Now, when the error report is larger than the configured maximum, the email that is sent does not include the attachment, but notifies the recipient that the error report was not attached because it was too large.

Additionally, admin users who want to change the maximum file size for error report attachments can now add a new property and set the desired file size maximum in MB. This can be done by adding the property shown below to the `sharedconfig.properties` file. The number shown below, 10, is the default maximum allowed email attachment file size in MB. Admins can set this number to whatever maximum best fits their requirements.

```
Integration.Endpoint.ErrorFileSizeLimit=10
```

This update helps provide data stewards with the information they need to ensure endpoints are operating at maximal performance standards, while also enabling admin users to customize email attachment standards that best align with their system parameters.

For more information on configuring error reports on inbound integration endpoints, refer to the IIEP - Error Handling & Reporting topic in the Data Exchange documentation. For more information on configuring error reports on outbound integration endpoints, refer to the OIEP - Configuration Flipper topic in the Data Exchange documentation.

Enhanced Translation Functionality

Summary

Translation Services have been updated to include the following new features and enhancements:

- Translation configurations can now be saved to be used at a later time.
- The option to schedule a data translation has been relocated.
- Two new attribute filtering parameters, 'Excluded Attributes' and 'Contextual Attributes,' have been added to the Request Translation wizard for both data objects and setup objects.
- A new parameter within the Users & Groups' System Setting tab allows users to select attributes that will always be excluded for translations.
- The Status tab and translation flipper are now included in the attribute node editor.
- Changes were made within the 'Request Translation - Setup Objects' translation wizard, including two new filtering options.
- Within the Change Translation Setup, users can now specify 'Attribute' as the object type that the IDs refer to within the selected input file.
- Within workbench and Web UI, users can now search for attributes based on their translation status.
- The 'Contextual Attributes' and 'Always Excluded Attributes' filtering options have been added to asynchronous translations.
- Users can now select attributes and attribute groups as the root node when configuring a business action for an asynchronous translation.

Details

Saving and selecting saved translation configurations

Similar to the functionality found within the Export Manager wizard, users now have the ability to save translation configurations and select those saved translations for later use. This new functionality, which is available for both translation of data objects and setup objects, decreases overall cost and time updating / maintaining translations for data, because a new translation configuration does not have to be created every time there is a request for translation.

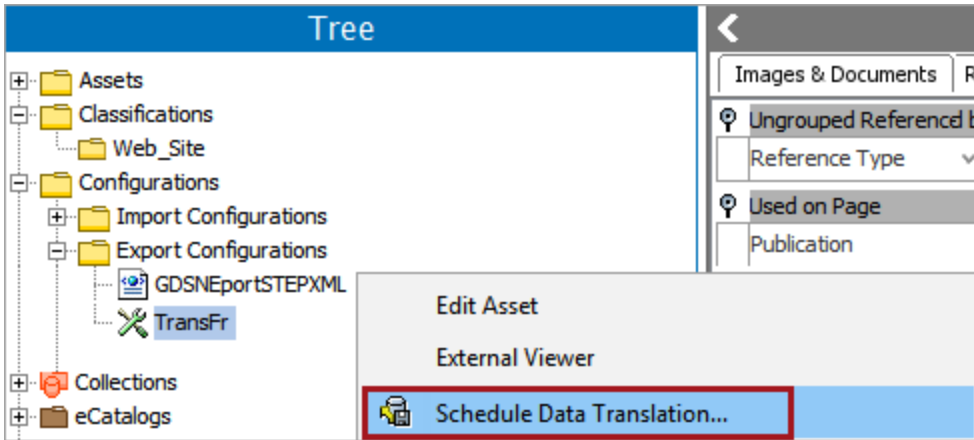
The screenshot shows a dialog box titled "Request Translation - Data Objects" with a close button (X) in the top right corner. On the left, a "Steps" sidebar lists: 1. Select Configuration (highlighted), 2. Object Selection, 3. Filter, 4. Select Target Language, 5. Feedback, and 6. Delivery. The main area is titled "Select Configuration" and contains two radio button options: "Use Existing Translation Configuration" (selected) and "Create New Translation Configuration". The selected option has a text field containing "TransFr (152092)" and a browse button (three dots in a square). At the bottom, there are four buttons: "Back", "Next", "Finish", and "Cancel".

The screenshot shows a dialog box titled "Save Data Object Translation Configuration" with a close button (X) in the top right corner. It features a checked checkbox labeled "Save Options". Below it is a "Save to:" label followed by a text field containing "/Configurations/TransFr" and a browse button (three dots in a square). There are two radio button options: "Start Translation Process:" (selected) with a text field containing "Translating TransFr", and "Don't translate now". At the bottom, there are two buttons: "OK" and "Cancel".

For more information, refer to the Starting a Structured Translation topic in the Translations documentation.

Option to schedule data translation has been moved

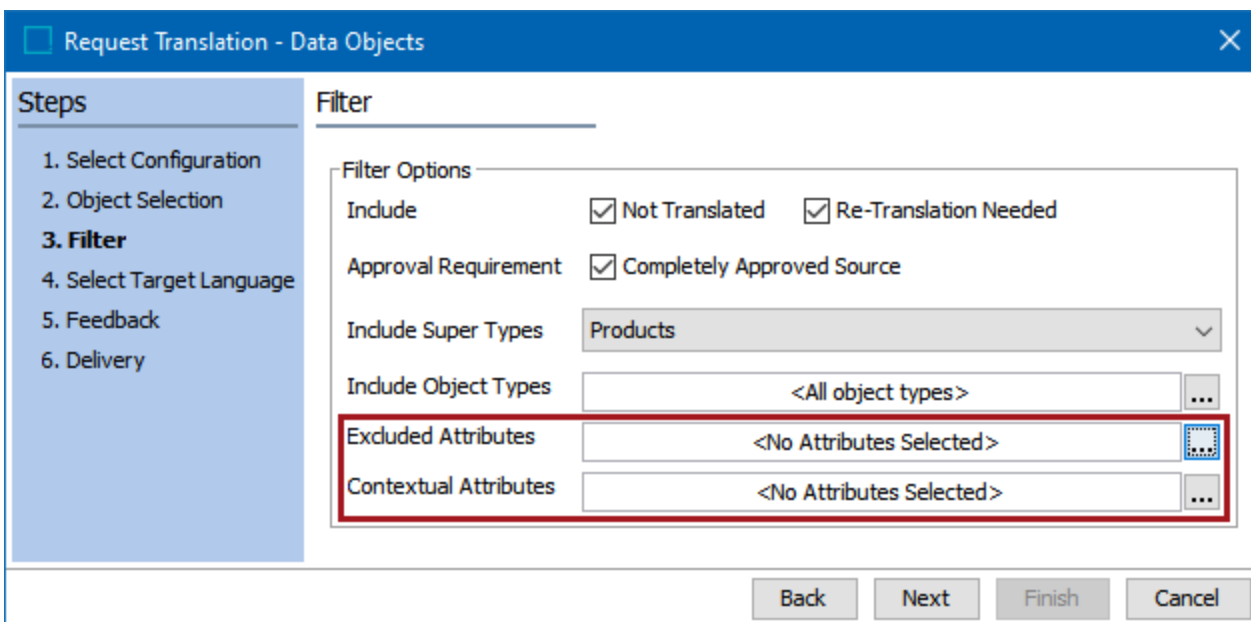
Scheduling a data translation is no longer done in the Request Translation wizard, but instead can be done by right-clicking a saved translation configuration and selecting 'Schedule Data Translation...'.



For more information, refer to the Scheduling a Data Translation topic in the Translations documentation.

New filtering options within the Request Translation wizards

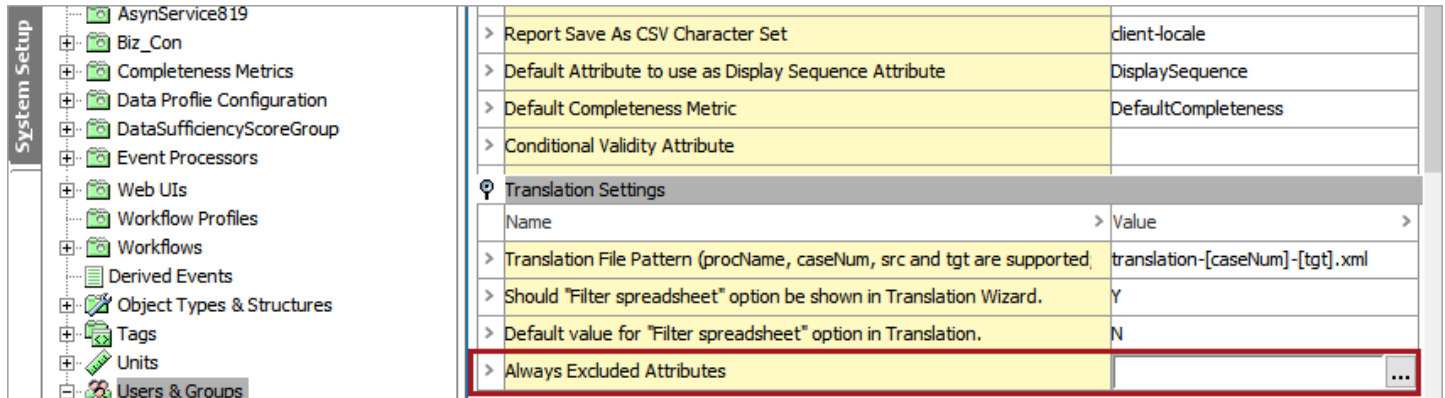
The Request Translation - Data Objects and the Request Translation - Setup Objects wizards now contains two new parameters: 'Excluded Attributes' and 'Contextual Attributes.' Users can select any language dependent attributes that they want to exclude from the translation request and include any contextual attributes (i.e., attributes that although are language independent, provide the translator with contextual information about the object which contains the language dependent attributes being translated). By applying these filters when requesting a translation, users can further reduce translation cost and effort by including / excluding data based on their translation needs.



For more information, refer to the Starting a Structured Translation topic in the Translations documentation.

New translation parameter in Users and Groups' system setting

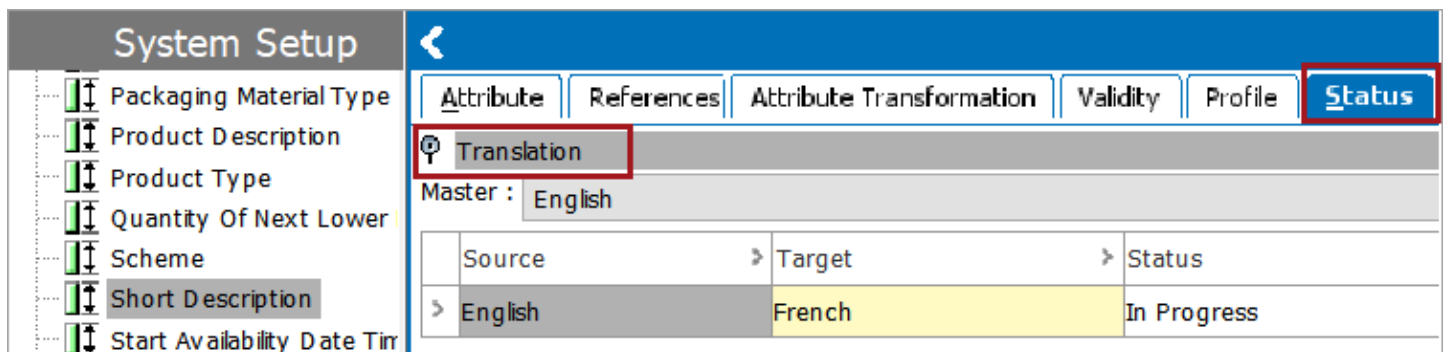
A new parameter, 'Always Excluded Attributes,' has been added to Translation Settings, which is located in the Users & Groups' System Settings tab. This parameter allows users to select language dependent attributes that they want to always be excluded when a request for translation is executed. Any attributes selected for exclusion within the 'Always Excluded Attributes' parameter will be listed in the 'Excluded Attributes' dialog in the Request Translation wizard.



For more information, refer to the Translation Settings topic in the System Settings documentation.

Status tab with Translation flipper now included on attribute node editor

Similar to the functionality found within the product node editor, the attribute node editor will now include the Status tab along with the Translation flipper. When applicable, it will display the Master, Source, and Target language, as well as the translation status of the selected attribute.

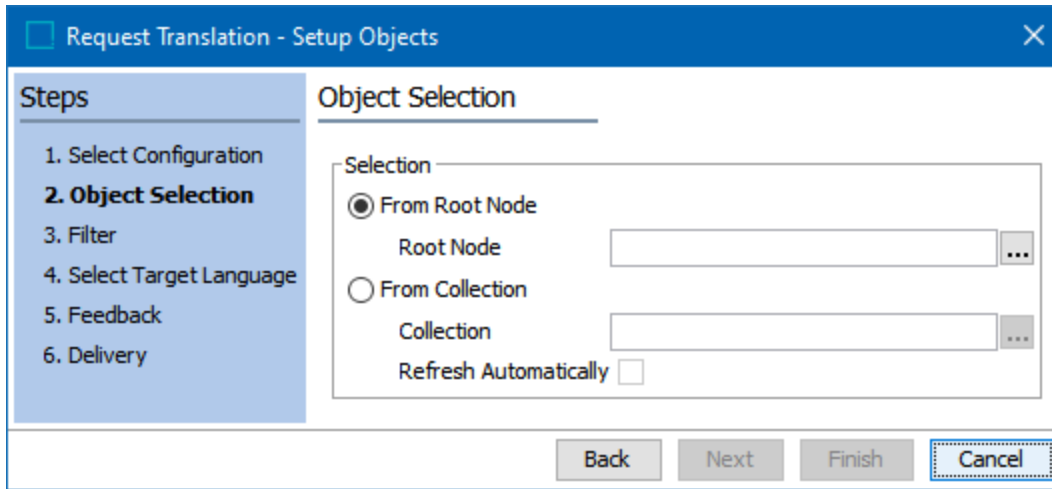


For more information, refer to the Status Tab topic in the Getting Started documentation.

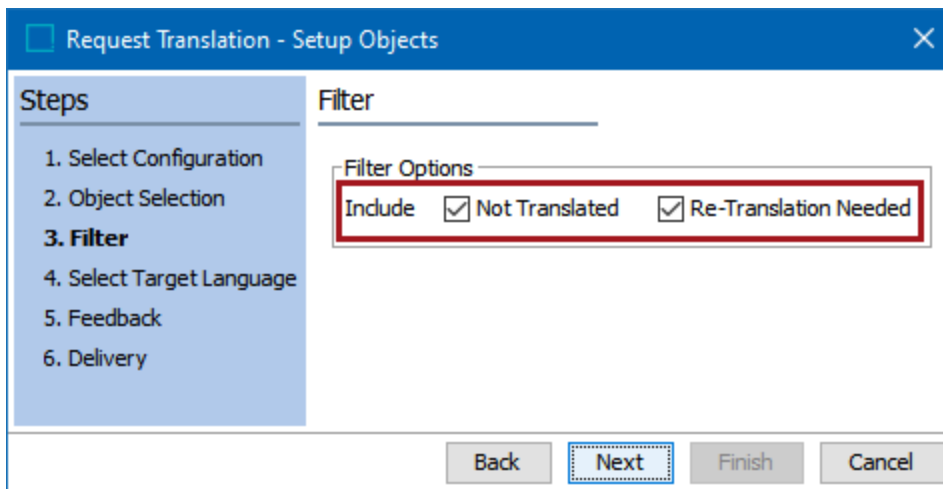
Update to the Request Translation - Setup Objects translation wizard

Previously, the 'Selection' parameter, located within the Object Selection dialog, contained the 'FromList' option. While the 'FromList' option is applicable for the 'Request Translation - Data Objects' translation wizard,

it was not applicable for the Request Translation - Setup Objects translation wizard, and has been removed. The 'From Root Node' and 'From Collection' selection options still remain, making for a clearer and more precise selection process for the user.



Additionally, the 'Not Translated' and 'Re-Translation Needed' options within the 'Filter' dialog are now selectable.



For more information, refer to the Structured Translation for Setup Objects topic in the Translations documentation.

Attribute included as a selectable option within the 'Change Translation' dialog

Within the Change Translation Setup dialog, users can now select 'Attribute' when choosing an option for the 'IDs in file are for' parameter. This allows users to specify that the object type the IDs refer to in the selected input file are attributes.

Change Translation Setup

Input file: ...

Header lines to ignore:

IDs in file are for: Product Asset Classification **Attribute** List Of Values

Clear all translation relations (done before above operations)

Set master to: ▾

Source	Target	Status
Create translation relation		

OK Cancel

For more information, refer to the Changing Translation Status and Setup topic in Translations documentation.

Search for attributes based on translation status

Previously, users were not able to search for attributes based on their translation status. Now, when 'Attribute' is selected from the 'Type' dropdown menu, the options located under the 'Translation Status' parameter are active, allowing users to search for attributes based on their translation status. This update is valid for both workbench and Web UI, as shown in the respective images that follow, and gives users much for precise search capabilities.

The screenshot displays the 'Search' interface with the following components:

- Translation Status** (dropdown menu)
- Type:** Attribute (dropdown menu)
- Language** section:
 - Source Language: English
 - Target Language: French
- Translation Status** (checkboxes):
 - Re-Translation Needed
 - In Progress
 - Up to Date
 - Not Translated

On the left side, there is a sidebar for 'Translation Status' with the following settings:

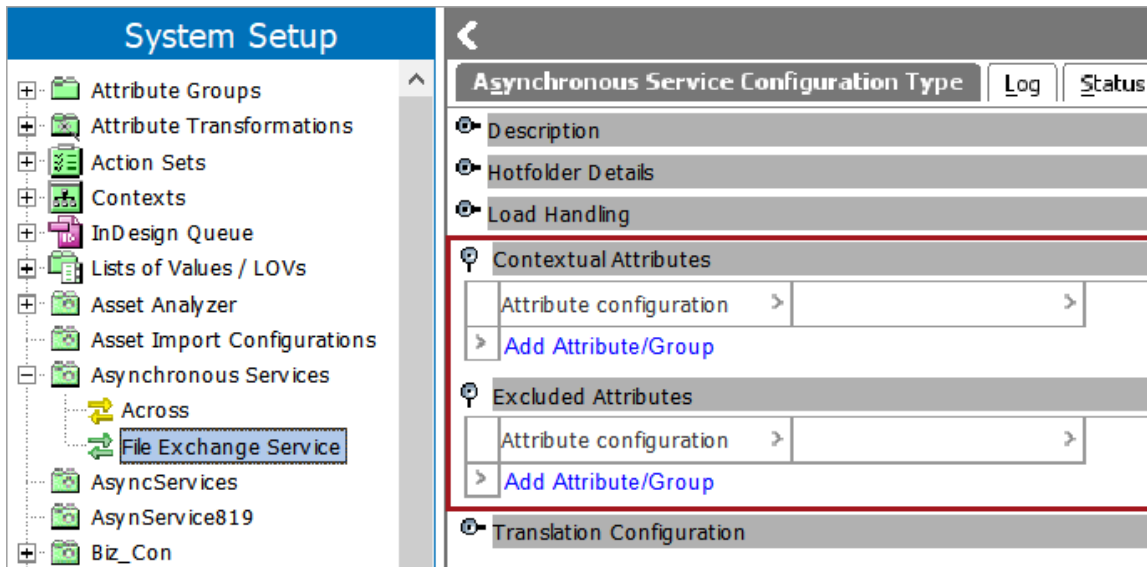
- Type: Attribute
- Target: Target
- Language: French
- Re-Translation Needed
- In Progress
- Up to Date
- Not Translated

For more information about searching for translation status in workbench, refer to the Searching for Translation Status topic in the Translations documentation.

For more information about searching for translation status in Web UI, refer to the Advanced Search Initial Configuration topic in the Using Web UI documentation.

New attribute filters for asynchronous translation services

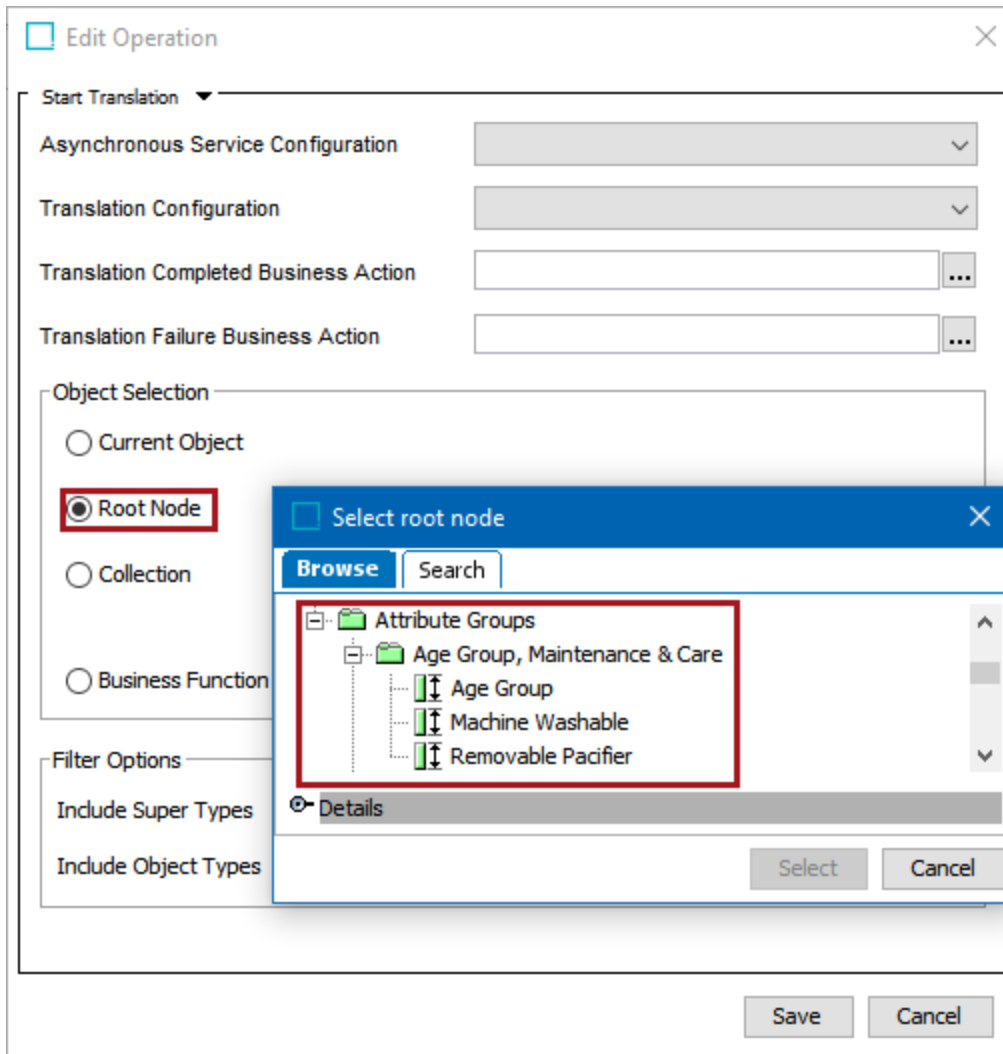
Similar to the new attribute filtering options found within structured translations, asynchronous translations now include the 'Excluded Attributes' and 'Contextual Attributes' filters. Excluding attributes that do need translation cuts down on time and cost, while including contextual attributes provides more details to the user about the attributes that are selected for translation.



For more information, refer to the [Configuring Attribute Filters for Asynchronous Translation Services](#) topic in the Translation documentation.

Attributes and attribute groups selectable in the 'Start Translation' business action

Within the 'Start Translation' business action, users can now select specific attributes and attribute groups when selecting which parts of an object's data will be submitted for translation via an asynchronous translation service. Previously, users were not given the option to select attributes or attribute groups when configuring the 'Start Translation' business action for asynchronous translation services. This new feature further expands the capabilities of asynchronous translation services by allowing users to only extract attributes and attribute groups that need translation, which cuts down on costs and translation turnaround time.



For more information, refer to the Business Rules for Asynchronous Translations topic in the Data Integration documentation.

To access and use these asynchronous translation services, the Translation Service Integration commercial license must be activated on your system in addition to the normal update procedures for 10.1. Contact your Stibo Systems account manager for details regarding activation of licenses.

API Enhancements and Updates

Summary

Information applicable to the enhancements / deprecation outlined below is available in the API documentation at [system]/sdk or access the Stibo Systems Enterprise Platform (STEP) API Documentation from the Start Page.

Details

GraphQL introduction of a 'Path' field for classifications, entities, and products

Introduced for the Classification, Entity, and Product types are path fields that give access to ancestor nodes in the individual hierarchies.

Schema-wise, refer to this example:

```

type Classification {
  ...
  path: [Classification]!
  ...
}

type Entity {
  ...
  path: [Entity]!
  ...
}

type Product {
  ...
  path: [Product]!
  ...
}

```

Each array needs to be populated with the nodes from the hierarchy root node (or the top most node that the user has privileges to view) down to the current node.

Data Issues Reports now available in GraphQL API

It is now possible to retrieve Data Issues Reports produced by business rules when evaluating conditions and executing actions, both via the evaluateCondition query and the executeAction and triggerWorkflowEvent mutations.

API extended to include access to Commercial Lists

Functionality is now available for accessing terms from the scripting and extension API. Specifically the following interfaces, classes, and methods have been exposed:

Interface / Class / Method	Description
TermsListHome	Home interface for terms list
TermsListHome.getTermsListByID(String id): TermsList	Gets terms list with supplied ID
HasTerms	Interface implemented by types that can have associated terms
HasTerms.queryTerms (TermsList termsList):query<TermsList.Term>	Retrieve the terms associated with this node
TermsList	A terms list
TermsList.Term	Data for an individual term
TermsList.Term.getValue(): String	Get the term value
TermsList.Term.getUnit(): Unit	Get the term unit or null if none exists
TermsList.Term.getStartDate(): Date	Get the term start date or null if none exists
TermsList.Term.getEndDate(): Date	Get the term end date or null if none exists
TermsList.Term.getMaxQuantity(): int	Get the maximum quantity of the term or -1 if undefined
TermsList.Term.getMinQuantity(): int	Get the minimum quantity of the term

Additional information is also available in the Scripting API section of the STEP API Documentation available at [system]/sdk or accessible from the system Start Page. Also, a Change History link is available in that same section, providing a complete list of all added / updated elements in the Scripting API from the 10.0 to 10.1 release.

New historic data reporting capabilities

More robust historic reporting capabilities are now available and driven by a combination of platform functionality as well as REST API V2 functionality. This kind of reporting allows customers to audit who / what made changes and how widespread the changes are. In some cases, the reporting for this kind of scenario involves huge amounts of data due to traversing every object, restrained by revision timestamp or user ID.

This kind of reporting can be done via the REST API V2.

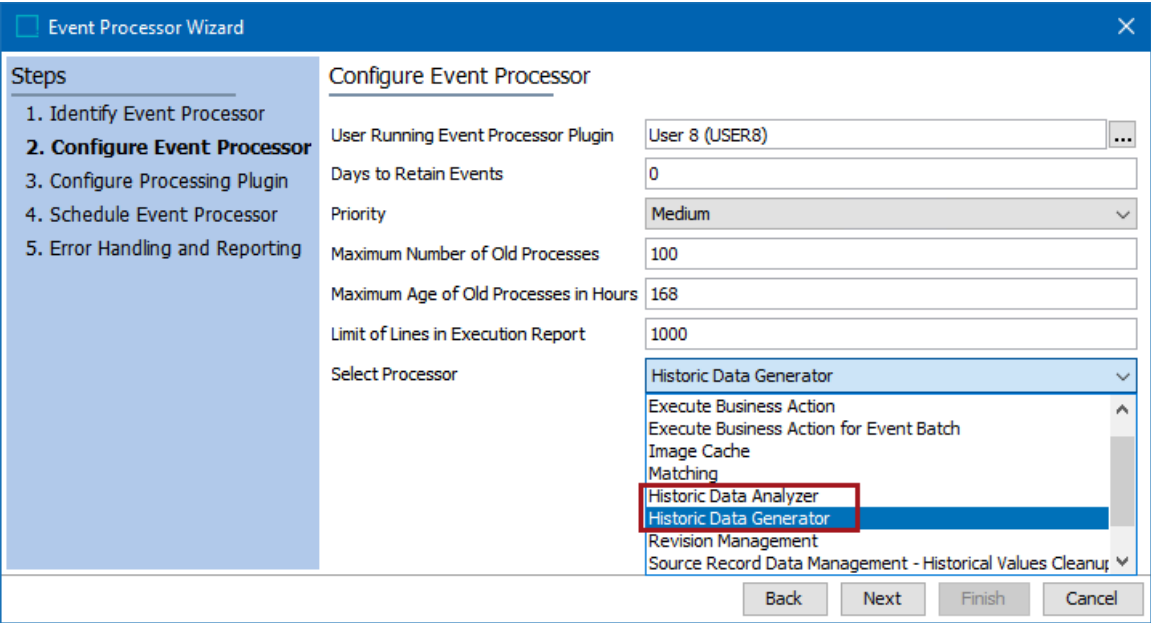
Two new API post requests are available as described below:

1. Operation: `POST /reports/historic-changes/{reportID}`

This operation starts a historic-changes reporting process that collects revisions modified by the specified user(s) within the specified time span and feeds them one at a time to the specified business function. The output from the business function is generated and written to a report available as an attachment to the background process identified in the response.

When a report is started, multiple configuration objects are created (two setup groups and two event processors) in System Setup.

- Setup Group: Historic Reporting
 - Setup Group: <Name of the business function>
 - Event Processor: IdOfReport_RA (uses the new Historic Data Analyzer processor)
 - Event Processor: IdOfReport_RG (uses the new Historic Data Generator processor)



Users can inspect the result of the execution report and save it, if accessing via the API.

2. Operation: `POST /reports/historic-changes/{reportID}/clean-up`

This operation can be called for completed reports and will delete the configuration objects that were created behind the scenes (described above) that are specific to that report. Once this endpoint has been called, it is no longer possible to retrieve the generated report.

Along with the API requests, a business function needs to be written. The function takes a revision in and either returns nothing or returns the information requested by the code.

The business function drives the report. An example of code that can be used is shown below:

```
var current = revision.getNode().getValue("founded").getSimpleValue();
if ("JAN 3 1794".equals(current)) {
    var predecessor = revision.getPredecessor();
    if (predecessor == null)
        return null; // initial value, this is not what you are looking for
    else {
        var formerValue = predecessor.getNode().getValue("founded").getSimpleValue();
        if ("JAN 3 1794".equals(formerValue))
            return null; // same before, do not report
        else
            return "found JAN 3 1794 changed from " + formerValue;
    }
} else
    return null;
```

Work on this solution continues and more details will be provided in future releases. Users should note that the stricter the parameters for this reporting, the better the performance.

Important: In order to assure steady progress of the reporting, it is significant to restrict the analyzing business rule to local data (e.g., values and cross references). Following attribute links or cross references, parent or children associations, or other relations outside the current data object belonging to the revision currently worked upon, and then requesting further information from these objects, will severely slow down progress and repeatedly seize shared resources, holding back other processes on the system.

For detailed information about the new POST requests, refer to the Swagger and OpenAPI 3.0 documentation available via the STEP API Documentation page on systems with the STEP Web Services API commercial license activated.

For information regarding Business Functions, refer to the Business Functions section in the Business Rules documentation.

New option for Extension API component deployment

It is now possible to upload packaged extensions to the Stibo Systems' updates server <https://updates.stibosystems.com> via SPOT. With this, extension components no longer have to be moved manually to the servers on which they are to be deployed but can, like other software components, be fetched from updates. For more information, refer to the STEP Extension API Guide available via the STEP API documentation page.

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 10.1 Platform and Software Support section of the System Release and Patch Notes documentation within online help.

Baseline Functionality

There is a Workbench Launcher update. Details can be found in the 10.1 Upgrade Guide in this release note set.

Current Updates

The changes in platform and software support from version 10.0 to 10.1 are listed below.

Support has been added for:

- Red Hat Enterprise Linux 8 / Oracle Enterprise Linux 8
- macOS Big Sur 11.0

Support for the items listed below has ended:

- Oracle 12.2.0.1
- Oracle 18c (on Windows Server 2019)
- Windows Server 2012 R2
- Windows 8.1 (Client)
- Adobe Illustrator*
- Excel Office 2003**
- Office for Mac 2011**

*Customers with Illustrator installed will need to remove the component prior to upgrading. For example, apply the `./spot --apply rm:illustrator --stopped` command and then perform the upgrade (`./spot --upgrade=step:10.1`). For on-premise systems, refer to the SPOT Program documentation for more information, including how to use the SPOT `--upgrade` command to also find compatible components that can be added at the same time as the baseline patch (`--upgrade=all`) in the SPOT Program topic of the System Administration Guide found in Downloadable Documentation. For assistance, contact Stibo Systems Technical Services. For SaaS systems, contact your Stibo Systems account manager.

**Customers using unsupported Excel versions should convert import and export files, older Smartsheet versions, translations, eCatalog files, etc., to a supported version and resave prior to upgrading to 10.2 (i.e., open XLS files and resave as XLSX files). With the next feature release (10.2) in Spring 2021, the option to use desupported Excel versions for imports and exports will be removed from the Stibo Systems Enterprise Platform (STEP) interfaces.

Future Updates and End of Life Notifications

The support for the items below will end with the next feature release (Spring 2021):

- Oracle 18c (all)
- macOS 10.13 High Sierra
- Adobe InDesign CC 2018 (Client and Server)

The following baseline versions will no longer be supported as of the dates listed:

Version	Effective
9.0	June 1, 2021
9.1	January 1, 2022

Customers should update as soon as possible to the latest release of Stibo Systems Enterprise Platform (STEP).

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.

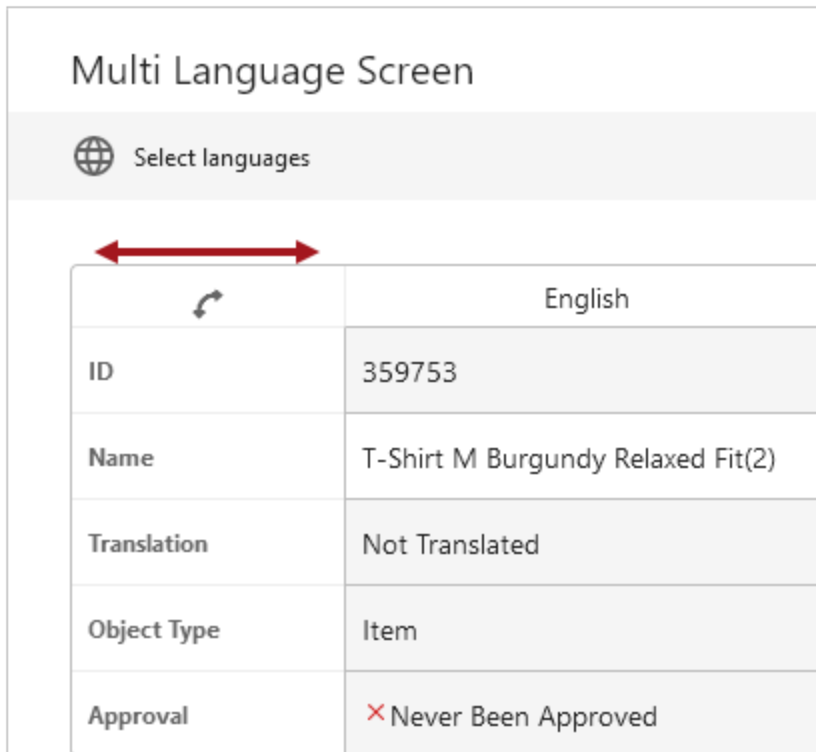
Contact your Stibo Systems account manager or partner manager, or the support department, if you have questions and/or to receive help and guidance on how to update to a supported release.

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 10.1 release and maintenance patch notes prior to installing or upgrading.

■ **Title columns in tables are now adjustable**

The title column that displays in a number of tabular views in the Web UI is now manually adjustable, meaning it can now be expanded or narrowed horizontally. Previously, the title column could not be adjusted, which meant that cell content in the title column that was not entirely visible could only be viewed when hovering the cursor over the cell.



The screenshot shows a 'Multi Language Screen' with a 'Select languages' button. Below it is a table with the following data:

	English
ID	359753
Name	T-Shirt M Burgundy Relaxed Fit(2)
Translation	Not Translated
Object Type	Item
Approval	✗ Never Been Approved

The affected screens include Multi Context Screens, Mass Creation Screens, and Node Lists viewed using Multi Edit Display Mode. The affected Node List screens include Multi Language, Multi Workspace, Multi Revision, Display Children, and Children of Types screens.

■ **ISSUE-176573 - New configuration property for special characters in a transformation**

Previously, it was not possible to make a transformation that made the resulting string contain special characters - for instance, Unicode characters or a new line character (usually denoted by \n).

It is now possible to have these characters in the resulting string. To enable this, the DefaultTransformation.UnEscapeReplacement configuration property should be set to 'true.'

■ **ISSUE-226064 - Single-update mode login fix for workbench**

Fixed an issue where it was not possible to log into the workbench when the system was in single-update mode. A hotfix is available for step-10.0-mp3.

■ **ISSUE-379627 - LOVs with IDs sort fix for Node Editor**

Fixed an issue where the LOVs with IDs were not sorted numerically when the Sort LOVs by IDs option was selected on the Web UI Node Editor.

■ **ISSUE-382269 - Attribute creation fix**

When importing, newly created attributes were not updated with metadata values if the importing process encountered an approval failure. Now, they are committed once the import finishes processing all attributes from the inserted STEPXML, disregarding the approval result.

■ **ISSUE-384297 - Workflow Translation status fix for workbench**

Fixed the workflow items Translation status in workbench.

■ **ISSUE-385901 - No Wrap parameter fix for Table Header Value component**

The No Wrap parameter on the Web UI Table Header Value component has been fixed.

■ **ISSUE-386195 - Transformation Lookup Table configuration**

A customer-specific configuration has been implemented for the Transformation Lookup Table in workbench.

■ **ISSUE-389013 - Corrected treatment of the Node List Enable Locale Formatting parameter**

Fixed a mismatch between formatting of ISO date and ISO datetime values in the Web UI Node List and the pattern shown in empty cells. Now, the Table Header 'Attribute Value Group' will correctly treat Enable Locale Formatting parameter when displaying ISO date/time values in the Web UI Node List.

■ **ISSUE-389219 - Workflow visualization message styling fix**

Now, pre- and post-messages in the workflow visualization component will be shown in the same read-only styling as the other Web UI components.

■ **ISSUE-389517 - Converter selection message fix for OIEP configuration**

On the Select Format popup on the OIEP configuration tab in workbench, a message will now explicitly state if a converter selection is missing and the user cannot approve the setup.

■ **ISSUE-390027 - Oracle database warning fix**

False critical warnings about a misconfigured Oracle database on Oracle 18 and 19 will no longer be reported.

■ **ISSUE-391577 - User import configuration**

A customer-specific configuration has been implemented for the User import in STEP for when the password has not been provided inside the User tag.

■ **ISSUE-394116 - LOV Qualifier ID attribute export fix**

When exporting LOV attributes that did not have a language dependency but the LOV itself had a language dependency, the LOV Qualifier ID attribute was not included in STEP XML exports. This has been fixed.

■ **ISSUE-400076 - Reference Header component fix**

Previously, the Reference Header component was editable in Approved workspaces in Web UI. This has been fixed so that the information is read-only.

■ **ISSUE-402410 - STEPXML validation fix**

The STEPXML schema definition has been changed so that the validation element is no longer obligatory on Attribute and LOV types.

■ **ISSUE-403429 - STEP'n'design server error fix**

Intermittent server errors caused a pagination to fail with an 'Invalid response from an upstream server' error with STEP'n'design. Now, the STEP'n'design plugin detects recoverable server errors and automatically retries pagination when applicable. Hotfixes are available for step-9.3-mp3 and step-9.3-mp4.

■ **ISSUE-403965 - SDK Delivery Methods available in Integration Endpoint**

SDK Delivery Methods is now available in Integration Endpoint's details when queried with REST API to prevent further exceptions.

■ **ISSUE-404234 - Scripting API performance improvements**

Performance enhancements have been made to the Scripting API framework to improve the speed when verifying if the API is whitelisted. Hotfixes are available for step-9.3-mp3 and step-9.3-mp4.

■ **ISSUE-404933 - Attribute revision fix for Healthcheck**

Previously, changing the revisability of attributes used in Data Containers could sometimes produce inconsistent data in DB if the values already existed in Data Containers. This has been fixed.

Additionally, an issue in Healthcheck has been fixed so that attributes that have inconsistent DB entries are accurately identified.

■ **ISSUE-405797 - References component arrow fix**

Now, the up and down arrows are disabled when the References component in Web UI is set to read-only.

■ **ISSUE-406173 - Matching algorithm and match code value definition fix for import**

Fixed an issue in the STEPXML importer that occurred when importing a matching algorithm or a match code value definition with forward references to category holder object defined later in the XML file.

■ **ISSUE-406716 - Data Profile screen fix for special characters**

The Data Profile screen in Web UI will now display special characters correctly.

■ **ISSUE-406896 - Attribute value history correction**

The Attribute Value component on the Web UI Node Editor will now correctly display the value history for LOV attributes with more than 5,000 LOV values.

■ **ISSUE-414422 - Japanese / Chinese character fix**

Now, MS PGothic font is supported in Web UI so that specific Japanese characters are displayed correctly.

■ **ISSUE-414728 - Change package memory fix**

Viewing the changes that a change package creates can be memory intensive. To prevent memory issues on the client's machine, if displaying a detailed comparison will use too much memory, then the comparison will not be shown. Instead, both the before and after text will be highlighted in yellow. Change package analysis will still function as before.

■ **ISSUE-414941 - Corrected issue with the Referenced Asset Representation**

Corrected issue with the Referenced Asset Representation Web UI component replacing assets when using an Asset Importer Configuration on a reference that is not multi-valued.

■ **ISSUE-415680 - Data Container Table View Editor fix**

Previously, the Data Container Table View Editor was not shown on the Web UI Node Editor if it was configured with a Data Container Type with hierarchy restriction and a Classification reference only. This has been fixed.

■ **ISSUE-416773 - Asterisk symbol fix for conditionally mandatory attributes**

An asterisk now displays correctly for conditionally mandatory attributes in Web UI.

■ **ISSUE-416885 - Changelog table fix for deleted collections**

A fix has been implemented for an error that occurred on the changelog table when a collection was deleted. Now, the matching rows in the changelog will also be deleted.

■ **ISSUE-416942 - Admin portal logging added**

Logging has been added to the admin portal. Because it is GMT, the logging is displayed in the console of the browser and only when the system is in development mode. Information about the server time format is displayed when the Activity tab of the admin portal is loaded. Hotfixes are available for step-9.3-mp3 and step-9.3-mp4.

■ **ISSUE-416984 - Run Business Action success message**

Introduced a private property to hide a Run Business Action success message in Web UI.

■ **ISSUE-417160 - Import Manager wizard fix for Excel sheets**

A solution was put into place to handle large Excel sheets. The Import Manager wizard had difficulty handling large Excel sheets because it took a long time to determine which format plugin should be used. In some cases, this caused workbench to shut down due to large memory consumption.

This problem has been fixed, making this check use less resources via enabling specific properties in the sharedconfig.properties file. The improvement only works on .xlsx files, i.e., Open XML Spreadsheet, so if your Excel sheet is saved in an older binary format, there will be no improvement. The properties will be enabled by default for 10.1. Hotfixes are available for step-9.3-mp3 and step-9.3-mp4.

■ **ISSUE-417164 - Browser navigation fix in Web UI**

Fixed an issue with browser navigation when navigating back from asset details in Web UI.

■ **ISSUE-417553 - Attribute Link color fix for Node Editor**

Now, the Attribute Link color under the Value Section on the Web UI Node Editor will be the same as the color shown without the Value Section.

■ **ISSUE-418436 - Workbench launcher fix**

Fixed an issue with starting the workbench launcher with a system proxy.

■ **ISSUE-418537 - Global LOV values fix for Smartsheet**

Previously, Global LOV values were not displayed in the exported Smartsheet if the user exported an LOV without IDs with dimension dependency in a certain context (not Global) with the CrossContext option enabled. This has been fixed so that the Global LOV values are now displayed.

■ **ISSUE-418836 - Calculated attribute export fix**

Exported calculated attributes that have no dimension dependencies will now always include their derived template regardless of the context being exported.

■ **ISSUE-418925 - Scroll bar fix for Status Selector Homepage Widget**

Fixed an issue where the scroll bar on the Web UI Status Selector Homepage Widget was not displayed correctly when the Initiate option was shown.

■ **ISSUE-419356 - Web UI Custom Export save permissions fix**

Now, the 'Save export as template' checkbox on the Web UI Custom Export dialog will be disabled if the current Web UI user does not have privileges to Maintain type hierarchy (node types).

■ **ISSUE-419488 - Homepage title styling fix for Web UI**

Fixed a styling issue on the Web UI Homepage where the Vertical Panel content overlapped the Homepage title if paging was enabled.

■ **ISSUE-419799 - Node Editor reload fix**

The Web UI Node List, configured on the Node Editor screen, can now reload the Node Editor when reloading itself. The Node List will display the correct state of actions, which are configured on a Node Editor. To enable this property, contact Stibo Systems Support.

■ **ISSUE-419898 - Search Panel criteria reset fix**

On the Web UI Search Panel, the After / Before search criteria will correctly reset after the Reset / Clear action is selected.

■ **ISSUE-420315 - Workbench System Settings editor error fix**

Previously, the JNLP token was missing in Future requests from workbench to the server, which led to an unexpected error when a parent object type was removed from a child object type on the workbench System Settings editor. This has been fixed.

■ **ISSUE-420494 - Attribute Value component**

Now, a read-only Attribute Value component will be visible instead of being overlapped by other components on the Node Editor screen in the Web UI.

■ **ISSUE-420983 - Multiple space fix for LOV dropdown**

Now, multiple spaces will be correctly shown on the Web UI Node Editor Attribute Value component's LOV dropdown.

■ **ISSUE-421017 - Text fix for Web UI Search Widget**

Now, the search text will not overlap with the search icon on the Web UI Search Widget.

■ **ISSUE-421122 - Out of memory fix**

Resolved an issue that could lead to out-of-memory situations on systems with high GC pressure.

■ **ISSUE-421215 - Corrected issue with slowness in confirming invalid credentials**

Fixed slowness in confirming invalid credentials when logging in to the Web UI or workbench using LDAP.

■ **ISSUE-421394 - Solution for customer not able to edit search criteria**

Now, when a user navigates to the Advanced Search Screen from a Collection Details screen by pressing 'Edit Search Criteria,' a search will not be executed automatically for performance reasons.

■ **ISSUE-421517 - OIEP background process fix**

When the OIEP was disabled, the background process would keep running until all the events had been read. This only happened for single threaded OIEPs. This has been fixed.

■ **ISSUE-422184 - Task List property fix**

The Portal.TaskList.Max property is no longer limited to 10,000 items when the StreamingSortAndFilter option is enabled. Performance improvements have been made to steaming to avoid out of memory issues.

■ **ISSUE-422352 - Smartsheet export sorting fixes**

Fixed an issue where exported Smartsheets did not keep the original ID sorting. Additionally, multiple sort and filter commands that previously caused unexpected sorting in the exported Smartsheets have been fixed.

■ **ISSUE-422402 - DAM image fix**

Fixed a performance issue in Web UI with DAM images, where the original image was fetched but not used.

■ **ISSUE-422725 - XML and XSD matching fix**

Previously, there was an issue where the XML file order did not match the XSD schema file order. This has been fixed, and hotfixes are available for step-9.2-mp3 and step-9.2-mp5.

■ **ISSUE-422795 - Blank ID and unique key import fix**

Now, when the importer is mapping to an ID or unique key, rows with blank IDs or unique keys will be considered unique instead of being treated as the same node.

■ **ISSUE-422869 - Log message level change for calculateCompleteness**

The log level for unnecessary calculateCompleteness log messages has been changed from INFO to FINEST.

■ **ISSUE-422884 - Fix for Classification to Product Links export error**

Fixed a problem occurring when users without a privilege to edit Classification to Product Links were getting a validation error in Smartsheet even when no Classification to Product Links were exported.

■ **ISSUE-423027 - Referenced Asset Representation fix**

The Data Issues Report will now be shown for the Referenced Asset Representation component on the Web UI Node Editor.

■ **ISSUE-423391 - List Value Generator deadlock fix**

Fixed an issue where the List Value Generator component caused a deadlock when multiple users were trying to assign generated values at the same time.

■ **ISSUE-423440 - Auto classification performance fix**

A performance fix has been implemented for the business rule plugin used to call auto classification.

■ **ISSUE-423688 - Global Navigation Search typeahead fix**

Now, Global Navigation Search will correctly restrict typeahead search results by configured object types in Design Mode Typeahead options.

■ **ISSUE-423888 - InDesign PDF temporary file directory fix**

When creating a temporary file placeholder to which the InDesign renderer will upload the PDF, the directory used is now shared among all the nodes in a cluster.

■ **ISSUE-424012 - Forwarding Screen fix for Global Navigation Panel**

The Forwarding Screen parameter has been added back to the Global Navigation Panel in the Tree Navigator component in Web UI. Hotfixes are available for step-10.0-mp2 and step-10.0-mp3.

■ **ISSUE-424036 - Multivalue attributes character fix**

Fixed an issue where Web UI converted <multisep/> multi-value separators for multivalue attributes using <lt><gt> escape characters if there were no <multisep> tag in the STEP tags list.

■ **ISSUE-424168 - REST delivery plugin error fix**

Fixed a 302 error status code and now the REST delivery plugin will redirect for all HTTP method types.

■ **ISSUE-424174 - Inheritance fix for Advanced Search component**

The Web UI Advanced Search component now supports inheritance when searching for multiple values.

■ **ISSUE-424324 - Table translation style tag fix**

When translating a table, if the table cell contained a tag without proper encoding, then the tag wrapped into an unterminated style tag, which caused an exception. This has been fixed by terminating the style tag.

■ **ISSUE-424326 - GPC code message improvement**

Improved missing GPC code messages to include the specific GPC code that cannot be found.

■ **ISSUE-424360 - Workbench dialog visibility fix**

Fixed an issue where workbench would restore a dialog to a monitor that was no longer connected, which meant the dialog was not visible.

■ **ISSUE-424365 - Optimistic locking error fix for Rich Text Editor**

An optimistic locking error occurred on the Rich Text Editor in Web UI if the original value contained multiple spaces. This has been fixed.

■ **ISSUE-424382 - Web UI Homepage loading fix**

A performance fix has been implemented for the Web UI Homepage.

■ **ISSUE-424443 - Sidecar status fix**

If the STEP system was running as a cluster of nodes and a sidecar was configured, the sidecar status could incorrectly fluctuate between 'stopped' and 'running.' The sidecar status mechanism has been improved to correctly report the status to all nodes in the cluster.

■ **ISSUE-424704 - SAML authentication fix for user ID**

Fixed a SAML authentication issue that occurred when a user ID with a basket prefix exceeded 40 characters.

■ **ISSUE-425815 - Recursive reload fix for Advanced Search and Packaging screens**

Fixed a recursive reload that occurred on the Web UI Advanced Search screen and the Packaging screen. Now, the reload property will only reload the Node Details screen.

■ **ISSUE-425852 - Sequence number fix for Node List**

Fixed an issue where the incorrect column was selected when a user changed the sequence number on a Web UI Node List.

■ **ISSUE-425988 - Smartsheet format fix for import**

Now, the Import Manager will recognize and import Excel Smartsheet in Excel 97 / 2003 formats.

■ **ISSUE-426060 - Add Reference dialog and alert popup fix**

Fixed an issue when the Add Reference dialog on the Multi Reference component in Web UI was shown under the Web UI alert popup, which could not be closed until the dialog was closed.

■ **ISSUE-426188 - Ctrl+click fix for Node List**

Fixed an issue where ctrl+click selection did not work on a Web UI Node List. Hotfixes are available for the following: step-9.3-mp3, step-9.3-mp4, step-10.0-mp2, and step-10.0-mp3.

■ **ISSUE-426200 - Attribute Value Header arrow and Enter key fix**

Previously, when a user pressed the arrow key and the Enter key on a Web UI Node List Attribute Value Header, it caused an optimistic locking error. This has been fixed.

■ **ISSUE-426220 - Attribute Value Header cell Tab key fix**

On the Web UI Node List, fixed an issue that occurred when a user began typing in the Attribute Value Header cell and then pressed the Tab key after the unit suggestions were shown. Now, unit suggestions will close after pressing the Tab key. A hotfix is available for step-10.0-mp2.

■ **ISSUE-426265 - Tooltip message fix for Assignee Variable parameter**

Fixed the tooltip message for the Assignee Variable parameter in the Submit Action component in Web UI.

■ **ISSUE-426529 - Schema change and single-update mode system fix**

On Cassandra based systems, a schema change operation, together with a single-update mode operation, could hang the system in certain cases. This has been fixed, and a hotfix is available for step-10.0-mp3.

■ **ISSUE-426691 - Details added to BGP error messages**

Some error messages shown in the BGP log during an import did not have sufficient details to make it clear what the problem was. Additional information is now included in the messages.

■ **ISSUE-426859 - Height fix for read-only fields on Node Editor**

Fixed an issue where read-only fields on the Web UI Node Editor had a limited height parameter, which caused large values to be cut off.

■ **ISSUE-426896 - Grouping Option fix for Web UI**

Now, the Multi Reference component can be added under the Grouping Option in a Web UI Node Editor.

■ **ISSUE-426897 - Web UI fix**

Fixed a vulnerability in Web UI.

■ **ISSUE-426899 - Web UI fix**

Fixed a vulnerability in Web UI.

■ **ISSUE-426993 - Attribute Value Group component fix for Columns Control panel**

The Attribute Value Group component now displays correctly in the Columns Control panel in Web UI.

■ **ISSUE-427021 - Admin portal task progress percentage fix**

The admin portal diagnostics screen will no longer show values of over 100% when displaying the task progress.

■ **ISSUE-427192 - OK button fix for Table View Data Container component**

The OK button is now disabled in the Table View Data Container component in Web UI when there is a length validation error.

■ **ISSUE-427311 - Supplier privilege fix for Background Process Node Details screen**

Fixed an issue where the supplier was able to view BGP details from another supplier hierarchy on the Web UI Background Process Node Details screen.

■ **ISSUE-427382 - Display Children screen ClassCastException error fix**

Fixed an unexpected ClassCastException error that occurred when the user selected multiple cells (including a read-only multi-value cell) and pressed Enter on the Display Children screen in Web UI.

■ **ISSUE-427385 - Value editor tabbing fix for Web UI**

On the Web UI Node List, it is now possible to tab through the multi values on the Value editor when the user has selected multiple multi-valued attribute cells and presses the Enter key to open the edit dialog.

■ **ISSUE-427606 - KeyCloak authentication fix for Web UI**

Fixed an issue where KeyCloak authentication failed in Web UI when the user selected an item from tree navigator and pressed the logout button unexpectedly.

■ **ISSUE-427648 - Leading wildcard fix for Web UI searches**

To avoid performance issues, leading wildcards are now escaped before executing Corner Bar / Global Header / Search Widget searches in Web UI.

■ **ISSUE-427799 - Workflow view issue fix for workbench**

Resolved a graphical issue with the WorkflowNoteColumn in a workflow view in the workbench.

■ **ISSUE-427872 - AddError method fix**

Previously, an error occurred when the last attribute of the addError method passed as a JavaScript array. This has been fixed.

■ **ISSUE-427929 - Custom Web UI component error correction**

An exception was raised when a custom Web UI component (based on the core Asset Value Client component) was added to the Web UI Node Editor in Design Mode. This has been fixed. Additionally, a similar issue with the Asset Mid Sized component has been fixed.

■ **ISSUE-428078 - Performance issue fix for attribute link LOV filters**

Fixed a performance issue that occurred when STEP was running on Cassandra and the user was looking up attribute link LOV filters.

■ **ISSUE-428114 - Sort and Filter on Task List fix**

The streaming Sort and Filter option on the Web UI Task List could cause Out of Memory exceptions when sorting / filtering large amounts of items on the Web UI Task List. This has been fixed.

■ **ISSUE-428252 - Cross-validation business function**

The LOV cross-validation business condition would fail to report invalid combinations when used for live validations in the Web UI if the included LOVs were using external IDs. This has been fixed.

■ **ISSUE-428270 - Oracle full text search fix**

Two new storage clauses have been added to Oracle Text indexes in order to support Oracle full text search on Oracle 19 and above.

■ **ISSUE-428347 - Fix for publication section level exporting**

In workbench, it is now possible to export at the publication section level.

■ **ISSUE-428352 - Attribute text fix for Web UI**

Fixed an issue on the Web UI Attribute Value component where the Attribute text was not fully shown.

■ **ISSUE-428384 - Typeahead performance fix for Search Table Tab**

The typeahead performance has been improved on the Web UI Search Table Tab component when the component is configured to use search plugins.

■ **ISSUE-428467 - Display context help fixes for Web UI components**

Display context help did not work as expected within the Value Section and the Follow Single Reference components in Web UI. This has been fixed.

■ **ISSUE-428520 - Homepage Title fix for enabled Paging parameter**

Now, the Web UI Homepage Title will be correctly displayed when the Paging parameter is enabled.

■ **ISSUE-428813 - ISO Date value fix for data container components**

In Web UI, ISO Date values on data container components will now be consistent, regardless of locale.

■ **ISSUE-428828 - Fix for exporting LOVs on Cassandra**

Now, exporting LOVs on Cassandra will no longer include internal types that were not meant to be exported. A hotfix is available for step-10.0-mp3.

■ **ISSUE-428833 - Metadata attributes fix for values with tags**

A validation error was thrown on the Web UI References component when a user attempted to enter metadata attributes with a validation base type of 'text/numeric ranger excluding tags' for values with tags. This has been fixed.

■ **ISSUE-429095 - Unsaved data warning fix for Initiate Item screen**

Previously, no warning was given on the Initiate Item screen of the Web UI when there was unsaved data and the user navigated from the screen. Now, a warning will display when the user attempts to navigate to another screen and there is data that has not been saved.

■ **ISSUE-429173 - Empty tag fix for Generic XML exporter**

Prevents empty tags inherited from classifications from being displayed by the Generic XML exporter when 'Allow empty tags' is set to 'No.'

■ **ISSUE-429309 - Node Editor approval error fix**

Fixed an issue that occurred during approval on a Web UI Node Editor when a localization was missing for several exceptions.

■ **ISSUE-429506 - Synchronization fix for In-Memory**

In rare cases, In-Memory systems could have synchronization problems between processes. This has been fixed.

■ **ISSUE-429595 - OIEP performance fix**

An issue with OIEP running slowly for SQL exports has been fixed.

■ **ISSUE-429653 - OAuth SSO fix**

When configured for OAuth SSO, STEP will no longer check for expired passwords.

■ **ISSUE-429711 - STEP'n'design paragraph style fix**

In STEP'n'design, when placing a multiline attribute value that contains paragraph styles, the paragraph style overrides contained in the last line were incorrectly removed. This has been fixed.

■ **ISSUE-429872 - Sidecar error fix**

Fixed an issue where Sidecar threw a concurrent modification exception when the application server was being patched with SPOT.

■ **ISSUE-429904 - ISO date and time attribute fix for Multi Context Screen**

Now, ISO date and time attributes will not be localized according to the Web UI locale on the Multi Context Screen, since it is not possible to enable local locale options on this screen.

■ **ISSUE-429937 - Schema change fix for Cassandra systems**

On Cassandra based systems, doing schema changes as part of an import would sometimes fail. This has been fixed, and a hotfix is available for step-10.0-mp3.

■ **ISSUE-430089 - Data inconsistency fix**

Fixed issue that could cause data inconsistencies on systems running on Cassandra. A hotfix is available for inmemory-7.0.51.

■ **ISSUE-430421 - Multi Reference screen item number increase**

A customer-specific configuration has been implemented to increase the limit of shown items on the Web UI Multi Reference screen.

■ **ISSUE-430449 - InDesign 'Delete No Content' fix**

Previously, in InDesign, when the option 'Delete No Content' was enabled on a product template text frame that contained a 'STEPREPEAT' tag, the contents of the child objects were not getting mounted onto the InDesign page. This has been fixed, so that the children are included.

■ **ISSUE-431065 - Admin portal and STEP System Administration feature fixes**

Fixed an issue where multiple admin portal / STEP System Administration features were not working when OAuth SSO was enabled. A hotfix is available for step-10.0-mp3.

■ **ISSUE-431473 - Commercial list error fix**

Fixed optimistic modification errors that were raised when working with commercial lists that were created before a 10.0 upgrade on an In-Memory-enabled system.

■ **ISSUE-431481 - Healthcheck error fix**

The Healthcheck error of 'Too Many Attributes Linked' has been fixed.

■ **ISSUE-431714 - Initiate Item screen LOV Cross-Validation fix**

Now, LOV Cross-Validation works correctly on the Web UI Initiate Item screen for LOVs with IDs.

■ **ISSUE-431806 - Text area fix in Node Editor**

Now, non-text attributes on a Web UI Node Editor will not be shown as a text area if their max length has not been set in the workbench.

■ **ISSUE-431858 - Global value search configuration for Search Widget**

A customer-specific configuration has been implemented to re-enable a global value search on the Search Widget in Web UI.

■ **ISSUE-432091 - Local reference fix for References component**

It is now possible to add a local reference on the Web UI Node Editor's References component when there is only a single inherited / dimension dependent reference listed.

■ **ISSUE-432422 - 'Name or ID or Attributes' Global Header Search fix**

Fixed an issue where the 'Name or ID or Attributes' search plugin did not respect multiple attributes on the Global Header Search in Web UI.

■ **ISSUE-432551 - Background Process Notification performance fix**

A performance fix has been implemented for the Background Process Notification component in Web UI. Now, the component will retrieve 500 instead of 2,000 BPGs, and spend less time detecting links in BGP reports.

■ **ISSUE-432552 - OutOfMemory error fix for large numbers of assets**

Fixed an OutOfMemory error that occurred during the translation of large numbers of Assets in the workbench.

■ **ISSUE-432747 - LOV with IDs fix for Simple Importer**

Fixed an issue with LOV with IDs values on the Simple Importer Mapping step in Web UI.

■ **ISSUE-432817 - Web UI widget fixes**

In the Web UI, the widget title text will keep the same case as the user entered. Additionally, the task name is grayed out on the widget when there are 0 tasks to do.

■ **ISSUE-432892 - Search Table Tab character fix**

On the Web UI Search Table Tab screen, characters will no longer be lost when the user continues typing after the search request has been sent to the server for the typeahead result.

■ **ISSUE-433439 - Memory requirements reduced for migration tooling**

Reduced memory requirements for Oracle to Cassandra migration tooling when processing assets that have already been pre-migrated.

■ **ISSUE-433660 - Type mismatch fix for Smartsheet**

Fixed a 'Type mismatch' error in Excel Smartsheet that occurred when a user deleted a row via the Delete Row button and the row length contained two characters in the Excel column indexes (like AA13, for example).

■ **ISSUE-434002 - Attribute Value Link component fix**

Fixed an issue where the Attribute Value Link component did not work on the Web UI Node Editor without the Attribute Value component configured.

■ **ISSUE-434191 - Node Lists limit increase**

A customer-specific configuration has been implemented to extend the hardcoded limit on Web UI Node Lists.

■ **ISSUE-434296 - Asset Importer user ID fix**

Previously, when a user who was part of multiple supplier groups attempted to upload an image via the Asset Importer BGP triggered from the Web UI Node Editor, the image upload failed. This has been fixed.

■ **ISSUE-434358 - Diagnostics flipper fix for status tab in workbench**

Fixed a setback that caused an error when the user attempted to open the diagnostics flipper on the status tab in the workbench for a node that is not a product, classification, or asset type.

■ **ISSUE-434556 - Data migration file fix**

On Windows-based systems, a data migration file could not be generated in a specific case and an error was thrown when generating the data migration file. This has been fixed.

■ **Dun & Bradstreet processing logging added**

Logging has been added to Dun & Bradstreet (D&B) processing.

■ **Web UI fix**

Fixed a vulnerability in Web UI.

■ **Asset Link component fix for thumbnails**

The Asset Link component will now use the full-size thumbnail by default. This fixes an issue that occurred when attempting to download to Microsoft Word.

■ **GDSN import message fix**

The GDSN import is based on the STEP Importer. Previously, there was no feedback from the STEP Importer in regards to the GDSN import in either the application server log nor the execution report, which could be an issue if report errors and warnings were not saved. Now, the STEP Importer will display GDSN import messages in both the execution report and the application server log.

■ **SPOT --upgrade fix**

When SPOT --upgrade is used to find upgrades to a system with one of the special sdl-with-framework, lionbridge-with-framework or across-with-framework components installed, it will now upgrade the constituent components rather than the umbrella components.

■ **Database export fix**

Previously, there was an issue in the database exporter that caused asset configurations under classification to not be exported in minimum mode when only the classification was selected. This has been fixed so the asset configurations are exported correctly. Additionally, an issue that affected content in changepackages has been fixed.

■ **Name and ID fix for Nested References component**

Now, the Nested References component in Web UI will correctly show clickable names and IDs of reference targets.

10.1-MP1 Maintenance Patch Notes

February 2021



NEW FEATURES

■ Web UI faceted Search Screen Includes Classifications and Respects Additional STEP Privilege Settings

Before 10.1-MP1, for faceted search, only products linked to classifications could be published to Elasticsearch and displayed in the Web UI Search Screen. Now, both classifications and products (even those that are not linked to classifications), can be published to Elasticsearch.

In the continuing effort to honor STEP user privileges in the Search Screen, the STEP data available to Elasticsearch can now be filtered based on more user group privilege settings via the 'Elasticsearch Permissions and STEP Privileges' option. Previously, only classification privileges were considered. The Elasticsearch Search Screen now respects STEP user privileges applied on action set, object type, and dimension points to display products and classifications. Although attribute group user privileges are not included in this list, attribute group permissions can be applied on the Elasticsearch Configuration 'Data Specification' step, as described below. In the `sharedconfig.properties` file, set the new 'feature toggle' property `Elasticsearch.FeatureToggle.UserGroupPermissions` to 'true' to activate the expanded privilege functionality.

As an extension to STEP privileges, turning on the feature toggle property includes the new User Group Permissions column on the Elasticsearch Configuration. The Search Screen uses the STEP User Group Privileges listed above to filter out node data displayed on the Search Screen, while the User Group Permissions setting on the configuration impacts visibility of individual data specifications. This enables an administrator to provide access to relevant information by user groups, including attribute groups, so that users are presented with only the data they need. Including one or more user groups in the configuration allows access to only the selected groups at the data specification level. For backward compatibility, when no user groups are selected on the configuration, the data specification is visible on all Web UI Search Screen users.

Elasticsearch Configuration

Steps

1. Initial configuration
2. Event Processor configuration
3. Object Type
- 4. Data specifications**

Data specifications

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

[Add new](#)

Data Specification ID	Data Specification Type	User Group Permissions	Full Text	ID Query	Static Facet	
Last Revision Created Date	Node field		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌵
First Revision Created Date	Node field		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌵
Indications	Node attribute		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌵
MarketingCopy	Node attribute	Marketing,Service Users	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	⌵

Back Next Finish Cancel

For details on STEP privileges and user group permission setup instructions, refer to the Elasticsearch Searchable Data Setup Options topic in the Web User Interfaces documentation , which shows updated functionality introduced with release 10.3-MP4.

All existing Elasticsearch customers patching to MP1 should be aware of the following:

Due to updates in the Elasticsearch schema, Elasticsearch should be reindexed after applying this patch, even if the 'Elasticsearch Permissions and STEP Privileges' functionality is not being implemented immediately. Reindexing enables access to the 'Elasticsearch Permissions and STEP Privileges' functionality (whenever it is implemented via the new property). After patching, but before reindexing, the Search Screen will show only checkboxes, image thumbnails or placeholders, and the number of records in the current Elasticsearch index.

Reindexing can be achieved by either creating a new active Elasticsearch Configuration object (via the Maintain menu 'Duplicate' option or STEPXML export / import) with a new Index Prefix or at least a different Index Prefix (set in the Initial Configuration section). Using a separate Index Prefix allows distinction between the different functionality available with this patch.

Consider the timing of the patch process as reindexing can be lengthy depending on the number of objects on the system. For reindexing instructions, refer to the Elasticsearch Publishing topic in the Web User Interfaces documentation.

New and existing Elasticsearch customers implementing the new 'Elasticsearch Permissions and STEP Privileges' option should be aware of the following:

- Update the `sharedconfig.properties` file to set:
`Elasticsearch.FeatureToggle.UserGroupPermissions=true`
- As needed, add user groups to the User Group Permissions column on the Elasticsearch Configuration to limit access to the data specifications in the Search Screen. All users with access to the Search Screen have access to any data specification with no user groups selected in the User Group Permissions column.
- A different number of objects may be available in the Search Screen after the patch and reindex since products are no longer required to be linked into a classification. The backward compatibility for the new User Group Permissions column means that products previously excluded from the Search Screen (due to not being linked to a privileged classification) are now included in search results.

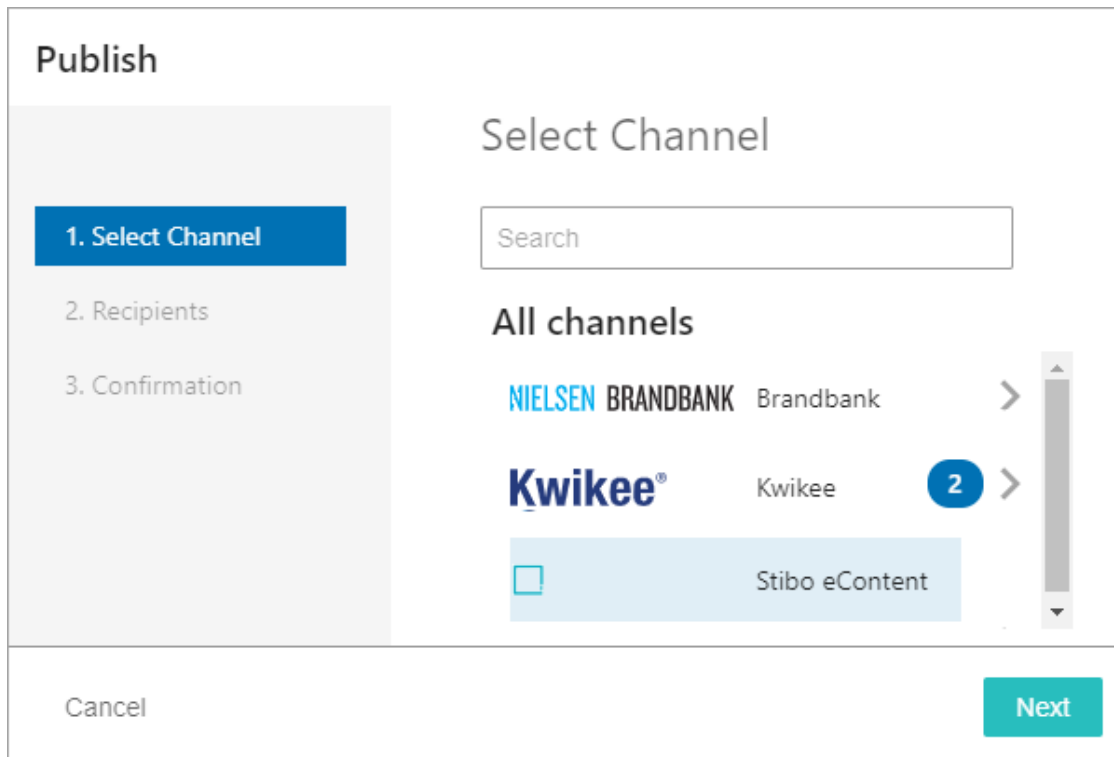
For more details, refer to the Elasticsearch Searchable Data Setup Options topic in the Web User Interfaces documentation.

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

■ Updates to the Search Screen Basket 'Publish' to PDS option

To ensure that only expected users are pushing data to PDS, the Publish function from the Search Screen basket now requires that the user has an email address in STEP and is also a PDS user.

PDS channels are now displayed using nested structures, making it easier to view all available channels and to identify related sub channels. Products can now be published to multiple channels by selecting multiple channels in the wizard. The number of selected channels is displayed at the 'All channels' level.



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

■ New cloud storage Asset Publisher Event Processor plugin

The traditional Asset Push functionality for synchronizing potentially converted asset content to a file system requires a running Java process (sidecar) on the target system side, a solution not viable when wanting to publish asset content to Azure Blob Storage / AWS S3. For such setups, 10.1-MP1 introduces a new 'Asset Publisher' event processor plugin that offers many of the same options as the traditional Asset Push functionality and can be configured to publish asset content directly to Azure Blob Storage / S3. The new plugin connects to Azure Blob Storage / S3 via two new gateway integration plugins, 'Amazon S3 Blob Storage' and 'Microsoft Azure Blob Storage.' Additionally, to support this solution, a new Clear Value bulk update plugin that allows for clearing values across all contexts is now available. And, there is a new bind (Current Asset Content Object) to be used in Asset Publisher Image Conversion Conditions to bind asset content to restrict conversion to content meeting the condition, e.g., content with specific MIME types. For more information, refer to the Asset Publisher topic in the Exporting Assets section of the Digital Assets documentation.

■ New cloud storage Azure Blob Storage Delivery plugin for OIEPs and Export Manager

The Azure Blob Storage Delivery plugin for outbound integration endpoints and export manager makes it possible to deliver files directly to Azure Blob Storage. Previously, it was not possible to publish directly to blob storage. The Azure Blob Storage Delivery plugin comes with the 'cloudstorage-azure' component that must be installed in addition to the STEP baseline. For more information, refer to the Azure Blob Storage Delivery Method topics in the OIEP Delivery Methods and the Export Manager Delivery Methods sections of the Data Exchange documentation.



BUGFIXES

■ ISSUE-391313 - Workbench search results fix

In the workbench, the search tab was incorrectly returning results when the object type criteria was used twice in a row, with an additional criteria used on the second search. This has been fixed.

■ ISSUE-398277 - Object type dropdown fix

Fixed object type dropdown filtering while retrieving all legal object types to assign in the workbench.

■ ISSUE-402163 - Fixed privilege issue

Fixed problem that occurred when a user with privileges to modify metadata on Product to Classification links, bound to classification hierarchy and configured for Product Object Type and certain attribute groups, was not able to modify metadata for such links without having the same privilege for the product hierarchy.

■ ISSUE-404541 - BOM character fix for imports

Now, BOM characters at the start of an imported CSV will be correctly escaped by the STEP importer.

■ ISSUE-412668 - Fixed an issue with Web UI screen reloads

Fixed an issue that occurred when a user saved changes on a Web UI Node List details screen that was added on a Node Editor and replaced the original selection with the details selection, which caused an undesired behavior when saving something else on parent Node Editor.

■ ISSUE-414157 - Attribute and Attribute Group name character fix

Now, Attribute and Attribute Group names will properly display less than and greater than characters on the Web UI Node List and Node Editor components in the Attribute Value and Value Group sub-components.

■ **ISSUE-414944 - Business functions in Web UI fix**

An issue regarding the way business functions in the Web UI manage the local storage values has been fixed.

■ **ISSUE-415193 - Fixed issue with copying values to Multi Reference screens**

Fixed problem occurring when copying an Excel cell value into an Add Reference suggestion field on Multi Reference screens in Web UI caused incorrect search suggestions to be shown, as Excel adds a line break to the search string in this case.

■ **ISSUE-416942 - Admin portal logging added**

Logging has been added to the admin portal. Because it is GMT, the logging is displayed in the console of the browser and only when the system is in development mode. Information about the server time format is displayed when the Activity tab of the admin portal is loaded. Hotfixes are available for step-9.3-mp3 and step-9.3-mp4.

■ **ISSUE-420691 - Notes error fix on planned page**

Previously, the Notes on a planned page would show an incorrect error as being already modified by another user in the workbench. This has been fixed.

■ **ISSUE-421457 - Artwork (cover rebranding updates) for SDK Documentation**

Cover rebranding has been done for SDK Documentation.

■ **ISSUE-424307 - Removed pre-5.2 STEP version reference type support**

Removed the default support of legacy pre-5.2 STEP version reference types, which could cause performance issues when searching for 'null' reference types in business rules.

■ **ISSUE-427021 - Admin portal task progress percentage fix**

The admin portal diagnostics screen will no longer show values of over 100% when displaying the task progress.

■ **ISSUE-428616 - Fixed issue with resource loading upon startup**

Solved an issue with loading resources even if workbench was already launched. Now, the workbench only loads resources when needed (files were changed or not existing).

■ **ISSUE-428784 - Fix for Alternate Node Appearance not working in Search Tabs of Node Picker**

A fix was made so that Alternate Node Appearance indicators will be displayed correctly on the Web UI Multi Reference screen in the Add Reference Action's Search Tab and References component Search

Tab during typeahead in search suggestions.

■ **ISSUE-428983 - Multi Reference content loading fix**

Now, Multi Reference component content will correctly load when it is placed under the Web UI Node Editor's Value Section when it is initially closed after being opened by the user.

■ **ISSUE-429309 - Node Editor approval error fix**

Fixed an issue that occurred during approval on a Web UI Node Editor when a localization was missing for several exceptions.

■ **ISSUE-429810 - Word wrap fix for Node Editor**

A word wrap issue has been fixed on the Web UI Node Editor.

■ **ISSUE-430279 - Database exporter fix**

Previously, there was an issue in the database exporter that caused asset configurations under classification to not be exported in minimum mode when only the classification was selected. This has been fixed so the asset configurations are exported correctly. Additionally, an issue that affected content in changepackages has been fixed.

■ **ISSUE-430361 - Smartsheet SSO logging added**

Additional logging has been introduced to understand server connection issues with Smartsheet SSO.

■ **ISSUE-430412 - Fix for Matching Workspace not being respected**

Multi Context Survivorship Rules are now respecting the matching workspace configured in matching algorithm.

■ **ISSUE-431918 - Fix for 'Assigned to me' functionality**

Previously, 'Assigned to me' objects were selected but not actually assigning. Now, check marks for the 'Assigned to me' table header on Web UI Task Lists are shown correctly for items that belong to parallel tasks.

■ **ISSUE-431962 - Filtered Task List fix**

An exception will no longer be thrown when a user is reassigned on a filtered Task List.

■ **ISSUE-432424 - Unique key / import configuration fix**

Fixed problem when mapped Unique Key for Data Container Reference was not correctly written into Import Configuration XML, which is why STEP Import was failing, treating the mapped Unique Key as a target ID.

■ **ISSUE-432697 - New Web UI Show Similar dialog tab**

Now, a warning message: 'Temporary Object Type and/or Temporary Parent are not configured for Duplicate Handler. Please verify the configuration in Design Mode.' will be shown in Web UI Show Similar dialog tab for Add Reference action on Multi Reference screens when the corresponding design mode parameters have not been set.

■ **ISSUE-433232 - Problem with spaces in user ID when authenticating via SSO**

Previously SSO authentication, such as Keycloak or SAML, disallowed having spaces in the USER ID. Now, it is possible as the authentication request now escapes/unescapes user ID using base64 URL encoding / decoding.

■ **ISSUE-434005 - Fixed problem with incorrectly marked read-only ID Table Header**

Fixed problem occurring when using Firefox and accessing a Web UI Node List for Packaging screen. Sometimes it was not showing a clickable link for ID table header.

■ **ISSUE-434011 - Gateway Integration Endpoint URL space encoding fix**

The URL created by the rest call made by a Gateway Integration Endpoint encoded spaces incorrectly. This has been fixed.

■ **ISSUE-434180 - Product Summary Card optimistic locking error fix**

An optimistic locking error has been fixed for the Web UI Node Editor with Product Summary Card configured.

■ **ISSUE-434257 - Publisher table column fix**

Previously, in Print Publisher, when the table is mounted on a page and if the table is split to be mounted in more than one multi-column frame, then the size of the gutter between the two columns in the frames was ignored on all frames except the first one. This has been fixed so that now the options from the source frame are copied to all the frames in the flow.

■ **ISSUE-434427 - Solved issue by removing ability to create references in Approved workspace**

Business rules can be run with elevated privileges by checking 'Run as privileged' in the Workbench. In some cases it was possible to make changes directly in the approved workspace. This has been fixed so business rules no longer get higher than intended (internal) privileges.

■ **ISSUE-434693 - In-Memory property fix for workbench**

Fixed problem where setting the property UseInMemoryOnOracle.Table.Term to false when using In-Memory made the basket in workbench read only.

■ **ISSUE-434801 - Domain exporter performance fix**

A performance fix has been implemented on the domain exporter.

■ **ISSUE-434817 - Incorrectly formatted date solution**

Fixed problem when Attributes with Validation base type 'Date' were incorrectly formatted in cases where the Enable Locale Format flag was not set.

■ **ISSUE-434922 - Advanced Search character limit fix**

Fixed an issue where the Advanced Search did not return results for LOVs with more than 400 characters.

■ **ISSUE-434946 - Metadata Table Header fix**

Fixed problem that happened when ISO Date/Date Time validation-based attributes could not be saved in Metadata Table Header on a Web UI Multi Reference screen, if Enable Locale formatting option was set for this header in Web UI design mode.

■ **ISSUE-435301 - Event Processor progress bar fix**

The Event Processor's progress in each of its background processes are now estimated based on a total of the running time (compared to estimated time remaining) rather than being based on the current batch. The Event Processor progress bar in Web UI will now reflect the estimation based on the total running time.

■ **ISSUE-435411 - Packaging Metadata Header component bug fix**

Fixed problem in Packaging Metadata Header component on Web UI Packaging screen, which could have caused an optimistic verification exception when a user changed an empty value to non-empty in Web UI.

■ **ISSUE-435575 - Web UI search cache fix**

Fixed an issue when outdated Web UI search cache was not deleted after the configured interval.

■ **ISSUE-435911 - Attribute link missing mandatory value message fix**

Now, attribute links will be checked before a missing mandatory value message is displayed.

■ **ISSUE-436554 - Paste fix for Add Reference Action**

Previously, it was not possible to paste anything a second time into the typeahead field of the Add Reference Action on the Multi Reference component. This has been fixed.

■ **ISSUE-436605 - Data Container date format fix**

Fixed an issue that occurred when editing dates on the Web UI Data Container popup editor, where the date format was incorrect after saving.

■ **ISSUE-436738 - NPE fix for Simple Importer Widget**

Fixed Null Pointer Exception (NPE) in Simple Importer Widget on Web UI when importing an Excel file with validation errors for non-LOV attributes.

■ **ISSUE-436847 - User Impersonation fix for Keycloak / SSO authentication**

Impersonate User functionality now works correctly with Keycloak / SSO authentication.

■ **ISSUE-436876 - CIN matching message fix**

Now, more information is provided when a CIN does not match any subscription during a GDSN import.

■ **ISSUE-437109 - Correction made for upload() method reporting success when failing**

Now, the Asset Importer Configuration bind for JavaScript Business Rules will correctly set status of Business Rule to Error if it is causing exceptions when invoking the upload() method. Previously, the AssetImporterConfiguration.upload() method was reported as succeeding even when failing.

■ **ISSUE-437674 - Large LOV attribute ID fix**

Now, large LOV attributes will no longer show the ID only after saving in the Web UI Node Editor.

■ **ISSUE-437728 - Status Selector Widget alignment fix**

The Status Selector Widget alignment was incorrect if status flags are not enabled. This has been corrected.

■ **ISSUE-438348 - Impersonate User Global Navigation Panel fix**

Previously, the Impersonate User action on the Global Navigation Panel on a Web UI Node List would sometimes cause an exception to be raised. This has been fixed.

■ **ISSUE-438367 - Stack Panel resizing fix**

Fixed an issue where the Node List Toolbar with actions did not resize correctly when using left Stack Panel resizing.

■ **ISSUE-438648 - Task List reload property**

Introduced the possibility to reload a Task List when the user toggles the Task List mode in the Status Selector Sidebar Widget. To enable this property, contact Stibo Systems Support.

■ **ISSUE-438666 - Attribute Group name tag fix for workbench**

Now, Attribute Group names in the workbench that contain lt and gt tags will be displayed correctly.

■ **ISSUE-438731 - Attribute value paragraph style tag fix**

On the Web UI Node Editor, there was an 'Attribute is edited by another user' error thrown when editing the attribute value with line breaks if there was a paragraph style tag p with <p></p> formatting defined. This has been fixed.

■ **ISSUE-438864 - URL navigate fix**

Fixed an issue where the navigate method in the Web UI bind did not call to navigate to the URL in the same window.

■ **ISSUE-438914 - Basket Screen user impersonation fix**

Fixed an exception that occurred when impersonating a user on the Basket Screen in Web UI when retrieving, adding or deleting products. Note: accessing and deleting an impersonated user's products on the Basket Screen is not yet supported. Contact Stibo Systems Support to enable a configuration property to avoid the exception.

■ **ISSUE-438918 - Multi Edit Display Mode paste to multiple cells fix**

Fixed an issue that caused an error to occur when pasting a value from one cell to multiple cells and attempting to save on the Web UI Multi Edit Display Mode component.

■ **ISSUE-438923 - NPE fix identified in internal testing**

Fixed a null pointer exception (NPE) occurring in a publication's basket-fetching process.

■ **ISSUE-439013 - Rich Text View ampersand fix**

Previously, an optimistic locking exception was raised when attempting to save an attribute that includes an ampersand character in Rich Text Editor on the Web UI Node Editor. This has been fixed so that no error is thrown and the save is successful.

■ **ISSUE-439130 - Fixed logging issue creating instability**

Fixed problem occurring when Invalid User Or Password exception has been additionally logged into startup-stderr.log.

■ **ISSUE-439226 - Attribute Value and Attribute Value Group title character length increase**

Now, the Web UI Node Editor will show longer (up to 200 characters instead of 96 characters) Attribute Value / Attribute Value Group titles before truncating them.

■ **ISSUE-439359 - Variants List tab details icons fix**

On the Variants List tab, the details icons will be shown correctly when resizing row headers.

■ **ISSUE-439501 - Admin portal logfile size fix**

In the admin portal, there is now a size limit on the logfiles that can be downloaded. This is to avoid instability caused by handling large files.

■ **ISSUE-439505 - Date fix for Run Business Action parameter**

Fixed an issue with date attributes where certain locales saved dates incorrectly in the Run Business Action parameter in Web UI.

■ **ISSUE-439510 - Property Direction design mode parameter fix**

Fixed an issue that occurred when the Property Direction design mode parameter for Multi Edit Display Mode suddenly stopped working.

■ **ISSUE-439786 - Execution report performance fix**

In Cassandra-based installations, viewing / reading integration endpoints' execution reports simultaneously with high load on the file system could take a prolonged time and stress the file system. This has been fixed.

■ **ISSUE-439861 - Reference fix for data containers in Web UI**

Fixed an issue where references could not be added to newly created data containers in Web UI.

■ **ISSUE-439873 - Execution report performance fix**

In Cassandra-based installations, viewing / reading integration endpoints' execution reports simultaneously with high load on the file system could take a prolonged time and stress the file system. This has been fixed.

■ **ISSUE-439935 - Fixed issue where Task List items were deselecting**

Fixed an issue occurring when scrolling within Multi Edit Display mode in a Web UI Node List caused selected items do be deselected.

■ **ISSUE-440812 - Data container import fix**

Corrected the import of data containers with ReplacementRules when defined with keyValues. Now, data containers are not deleted if they are present in the import file.

■ **ISSUE-441283 - Html fix for Multi Reference component**

Now, the Web UI Multi Reference component will correctly display html code.

■ **ISSUE-441581 - Correct slowness issue due to high utilization of GraphicsMagick**

Performance to download externally stored assets was very slow due to high GraphicsMagick utilization. The customer-specific solution was to port the metadata parsing from using GraphicsMagick into Java code for PNG and JPEG format.

■ **ISSUE-442296 - Upgraded Apache version to 4.5.13**

Upgraded org.apache.httpcomponents:httpClient version to 4.5.13 to avoid connection issues.

■ **Synchronization fix for GDSN**

Fixed a synchronization issue between the GDSN CIN Importer and the GDSN Validation, which was caused by incorrect transaction management in the CIN Importer. Previously, the CIN Importer would commit information about newly created products before they had been fully initialized. That generated an event that triggered GDSN Validation to be executed. If the GDSN Validation started processing the products before the CIN Importer had linked the product to a subscription, the GDSN Validation code would not be able to find the datapool that the product belongs to. This problem has been fixed.

■ **Sequence Value Generator fix**

The Sequence Value Generator will now create a new number every time it is called.

■ **Fixed Custom Export issue**

Fixed problem when Custom Export from Basket could not be done from the Homepage if there were more than 100 items in basket.

■ **Sequence Value Generator number fix**

The Sequence Value Generator now creates a new number each time it is called.

■ **D&B mapper Kodo exception fix**

Dun & Bradstreet mapper now completes in the case of a Kodo exception.

■ Xerces issue fix for SAML

There was an issue with the Xerces library when a user attempted to login using SAML. This has been fixed.

■ D&B LOV value ID fix

Now, Dun & Bradstreet matching and profiling will create missing D&B LOV value IDs if the IDs are missing in STEP but are present in the D&B response.

■ Multi-value attribute conversion fix for PDS

Previously, multi-valued attributes were incorrectly converted to JSON for PDS. This has been fixed.

■ SAML authentication fix

Fixed a downloading loop issue that occurred when authenticating to Web UI or the workbench using SAML.

■ D&B validation type and mapping fixes

Changed the validation type for 'DnBIndEntityEmployeeFiguresDate' and 'DnBConsolidatedEmployeeFiguresDate' from ISODate to text in STEP to correct a mapping issue with Dun & Bradstreet (D&B). Additionally, the 'TerritoryName' mapping has been corrected so that it maps to 'TerritoryOfficialName.'



PERFORMANCE ENHANCEMENTS

■ ISSUE-434131 - Added SPOT option for cleaning cache

The cache maintained by SPOT for files downloaded from the updates server can grow quite large, and on some systems with very little disk space, it is possible to exhaust the free space on the system leading to errors. To mitigate the problem with too small file systems, SPOT now deletes the entire cache if there is less than 5 GB of free disk space when SPOT is started.

A manual option to trigger the cleanup has also been added: `--cleancache`

This will remove the SPOT cache before using the cache.

Note that the best solution to running out of disk space is to ensure that the file system for STEP is large enough. There are many other things that can cause space to be consumed that cannot be remedied by SPOT.



DOCUMENTATION UPDATES

■ Sufficiency Scores documentation updated and relocated

Documentation pertaining to sufficiency scores has been updated and moved to the Data Governance section of online help.



PATCH RECIPE

The 10.1-MP1 baseline patch can be installed with the following recipe:

```
spot --upgrade=step:10.1
```

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

Note: Customers may want to search Jira for their Maintenance Patch Issue Numbers. To do so, while in Jira, navigate to Issues (in the header bar) and then select 'Search for Issues.' Click on the 'Advanced' option on the filtering bar, and then type in 'issue=' and the Issue number from the Maintenance Patch Notes. Press Enter or click the magnifying glass icon to run the query. **Users will only be able to view Jira tickets for Maintenance Patch Issue Numbers that they have privileges to access. If the issue is not applicable to the user searching, then a 'No issues were found to match your search' message will be displayed.**

10.1-MP2 Maintenance Patch Notes

March 2021



NEW FEATURES

■ New Revision Management Event Processor plugin option

A new Revision Management event processor plugin option allows the user to determine whether object revisions will be purged across all workspaces or only for the execution workspace. By selecting 'Yes,' multiple workspaces can be cleaned up at one time. Although this method takes more time, performing the analysis and removal across workspaces typically allows for more revisions to be removed.

The screenshot shows the 'Event Processor Wizard' dialog box, specifically the 'Configure Processing Plugin' step. On the left, a 'Steps' list shows '3. Configure Processing Plugin' as the current step. The main area contains several configuration options:

- Purge across workspaces:** A dropdown menu set to 'Yes', highlighted with a red border.
- Days to keep:** A text input field containing '730'.
- Number to keep:** A text input field containing '100'.
- Processing time:** A text input field containing '30'.
- Keep initial revision:** A dropdown menu set to 'No'.

At the bottom, there are four buttons: 'Back', 'Next' (highlighted with a dashed border), 'Finish', and 'Cancel'.

It is important to note that when the 'Purge across workspaces' option is turned on, the 'Processing time' and 'Keep initial revision' settings will have no effect. Additionally, the event processor will fail if the 'Purge across workspaces' and 'Keep initial revision' options are both set to 'Yes.'

For more information, refer to the Revision Management Processing Plugin Parameters and Triggers topic of the Event Processors section of the System Setup documentation.

■ Data Sufficiency event processor multithreading support

The Data Sufficiency Calculator event processor plugin can now utilize multiple threads for calculating data sufficiency metrics. The number of threads to use can be configured via the configuration property `BackgroundProcess.Queue.<QUEUE_NAME>.Parallel` (defaults to 2).

■ Added CSRF exclusion filter support

A new exclusion option for the CSRF filter has been added. Customers can keep: `Security.EnableCSRFProtectionForGetService=true` and then disable specifically for a named service by path via a new configuration property: `Security.EnableCSRFProtectionForGetService.Exclude=<web-path>`. This fix is now part of step-10.1-mp1 and a hotfix is available for 10.0-mp3 and mp4, step-9.0-mp5.



BUGFIXES

■ ISSUE-358296 - Horizontal scrollbar added to Node Picker popup

Now, a horizontal scrollbar will be shown on a Node Picker popup if it is configured with more than four tabs in the Web UI Design Mode.

■ ISSUE-389013 - Corrected treatment of the Node List Enable Locale Formatting parameter

Fixed a mismatch between formatting of ISO date and ISO datetime values in the Web UI Node List and the pattern shown in empty cells. Now, the Table Header 'Attribute Value Group' will correctly treat Enable Locale Formatting parameter when displaying ISO date / time values in the Web UI Node List.

■ ISSUE-395364 - Hotfolder Upload Service file size limit

The file size for Hotfolder Upload Service on the File Loading Widget in Web UI has now been limited to 20 MB by default. To change this value, contact Stibo Systems Support.

■ ISSUE-398277 - Object type dropdown fix

Fixed object type dropdown filtering while retrieving all legal object types to assign in the workbench.

■ ISSUE-414422 - Japanese / Chinese character fix

Now, MS PGothic font is supported in Web UI so that specific Japanese characters are displayed correctly.

■ ISSUE-415999 - Pair Export attribute comma fix

Commas will no longer be truncated in Pair Export attributes during match tuning.

■ ISSUE-416931 - Default tab index fix

Now, selected tab index URL parameters will correctly refresh if the selected item state has been changed. This means that the default tab index will be determined by the business function on the Web UI Node Details screen and will be correctly counted if the current item changes its workflow state.

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

This is only an information patch only in order to get information about the Oracle Text queries. It effects Oracle full-text search only; property update needed prior to taking the patch.

■ **ISSUE-428616 - Fixed issue with resource loading upon startup**

Solved problem with loading resources even if workbench was already launched (so the resources should be there). Now, the workbench is only loading resources when needed (files were changed or not existing).

■ **ISSUE-428817 - NPE fix for workflow table in workbench**

Fixed a Null Pointer Exception (NPE) that occurred when only one column with an ID was shown on the workflow table in the workbench.

■ **ISSUE-429383 - Fix for deleting a collection**

The solution was to copy the edges that need to be deleted. The edges were previously added directly to the set to delete, and instead it needed to be added as a copy into a new hashset.

■ **ISSUE-429644 - Memory leak fix for domain exporter**

Fixed a memory leak in the domain exporter.

■ **ISSUE-430418 - Logging added for PDF generation**

Additional logging has been introduced to understand issues that occur when generating PDFs.

■ **ISSUE-432654 - Multi-value LOV validation fix for Table Header Value component**

Fixed an incorrect value validation when the user tried to save a multi-value LOV via the Table Header Value component on a Web UI Node List.

■ **ISSUE-434554 - Valid source type fix**

Fixed issues in removing data container types as a valid source type of reference type.

■ **ISSUE-438367 - Stack Panel resizing fix**

Fixed an issue where the Node List Toolbar with actions did not resize correctly when using left Stack Panel resizing.

■ **ISSUE-438398 - Right-click paste fix for filtering on Node List**

Fixed an issue when the filter dialog on the Web UI Node List did not work properly when the user pasted search values via the right-click option.

■ **ISSUE-438731 - Attribute value paragraph style tag fix**

On the Web UI Node Editor, there was an 'Attribute is edited by another user' error thrown when editing the attribute value with line breaks if there was a paragraph style tag p with <p></p> formatting defined. This has been fixed.

■ **ISSUE-438846 - NPE fix for JavaScript business rule**

Previously, the JavaScript engine was throwing a Null Pointer Exception (NPE) when nulls were sent as an argument to the Message object in a JavaScript business rule. This has been fixed.

■ **ISSUE-438887 - Data issue indicator fix**

Previously, resolving data issues for an Attribute Value on the Web UI Node Editor did not remove indicators from other related Attribute Value components for which the data issues had also been resolved. Now, the issue indicators are removed correctly.

■ **ISSUE-439472 - Nested Node List reloading disable config property**

Introduced a configuration property to disable reloading of a nested Node List that is placed on the Web UI Node Editor after the user performs the Save Action. To enable this property, contact Stibo Systems Support.

■ **ISSUE-439505 - Date fix for Run Business Action parameter**

Fixed an issue with date attributes where certain locales saved dates incorrectly in the Run Business Action parameter in the Web UI.

■ **ISSUE-439508 - Table Header Name filter and sort dialog character fix**

Now, the Table Header Name component on a Web UI Node List shows the '#' character in filter values in the filter and sort dialog when the user clicks on the table header.

■ **ISSUE-439786 - Execution report performance fix**

In Cassandra-based installations, viewing / reading integration endpoints' execution reports simultaneously with high load on the file system could take a prolonged time and stress the file system. This has been fixed.

■ **ISSUE-439873 - Execution report performance fix**

In Cassandra-based installations, viewing / reading integration endpoints' execution reports simultaneously with high load on the file system could take a prolonged time and stress the file system. This has been fixed.

■ **ISSUE-439935 - Fixed issue where Task List items were deselected**

Fixed an issue occurring when scrolling within Multi Edit Display mode in a Web UI Node List caused selected items to be deselected.

■ **ISSUE-439993 - Error fix for table preview**

Fixed an OutOfBounds exception that was thrown when a table was previewed in the workbench.

■ **ISSUE-440356 - Workbench launcher fix**

Previously, an error occurred when a user attempted to start the workbench via the launcher. This has been fixed by changing the cookie strategy for Apache HttpClient.

■ **ISSUE-440413 - Date attribute fix for Multi-reference component**

Now, the date attribute for a reference metadata value header on the Multi-reference component of the Node Details screen will display correctly. Hotfixes are available for step-9.3-mp3 and step-9.3-mp4.

■ **ISSUE-440690 - Task List bulk operation fix**

Previously, an unexpected error would occur when the user performed a bulk operation on more than 100 selected items on a Web UI Task List with Streaming Sort and Filter enabled. This has been fixed.

■ **ISSUE-440745 - NPE fix for Mail Home bind**

Fixed a Null Pointer Exception (NPE) on the Mail Home bind in Web UI. Hotfixes are available for step-10.0-mp3 and step-10.0-mp4.

■ **ISSUE-440890 - Solved supplier impersonation issue**

Fixed an issue occurring when a user, impersonated as a supplier user, did not get the same supplier privileges as the supplier user. This caused differences in the number of shown items on Web UI Homepage Status Selector Widget.

■ **ISSUE-441842 - Image orientation fix for JPEG images**

Now, the EXIF autorotate tag is supported when converting JPEG format.

■ **ISSUE-441870 - Asset translation export fix**

If an asset with cross references was exported for translation, an exception was thrown during the translation. This has been fixed.

■ **ISSUE-441954 - Attribute value character fix for Initiate Item screen**

Now, character tags will display correctly on the Initiate Item screen with Attribute Value components configured when the attribute value contains less than and greater than characters.

■ **ISSUE-442014 - Issue fix for replacing asset content in production**

When using 'Replace Asset Content' in workbench, users received an intermittent exception. A customer-specific solution was made to increase the HTTP Apache connection timeout, which determines the number of milliseconds after which a connection will be treated as lost.

■ **ISSUE-442075 - Mounting fix for InDesign**

Previously, when the option 'Delete No Content' was enabled on product template text frames that contained the STEP REPEAT tag, it was not mounting table content onto the InDesign page. This has been fixed.

■ **ISSUE-443014 - Customer-specific Smartsheet fix**

To fix an issue with a customer trying to link reference products in a Smartsheet reference selection window, and not all products were showing, a configuration was introduced to increase the number of displayed items on a Node Picker's Browse or Search tabs in a Smartsheet reference / link field. To enable this possibility, contact Stibo Systems Support.

■ **ISSUE-443035 - Multi-threaded BGP fix**

Now, multi-threaded background processes (BGP) will be guarded against issues when the threads are writing to the execution log concurrently.

■ **ISSUE-443074 - Performance fix for domain exporter**

A performance fix has been implemented for tables and vendor specific privilege checks when using the domain exporter.

■ **ISSUE-443242 - Mail Home bind NPE fix for workbench**

Previously, a Null Pointer Exception (NPE) was thrown when the event processor ran a business action with Mail Home bind in the workbench. This has been fixed.

■ **ISSUE-443341 - Table Display Mode column alignment fix**

Previously, the Table Display Mode column on a Task List was misaligned. This has been fixed.

■ **ISSUE-444058 - Domain exporter output fix**

The domain exporter (used in In-Memory systems) did not always output all terms of the exported products. This has been fixed.

■ **ISSUE-444241 - Sorting fix for Node Picker search tab**

The sorting search suggestion has been fixed for the search tab in the Web UI Node Picker. Hotfixes are available for step-10.0-mp3 and step-10.0-mp4.

■ **ISSUE-444530 - User group deletion fix**

Previously, there was an issue when attempting to delete a user group that appeared to be empty if the user group had been linked to a user that had been impersonated. This has been fixed.

■ **ISSUE-444554 - Event processor trigger fix**

When an event processor was configured to trigger from a user object type and an attribute that is valid for the user object type, the event processor would trigger incorrectly when other attributes were changed. This has been fixed so that changing only the triggering attributes cause the event processor to run.

■ **ISSUE-444555 - Reloading details screen property**

Introduced a configuration property to disable reloading of the details screen when saving something on a Node Editor with Node List and its details expanded. To enable this property, contact Stibo Systems Support.

■ **ISSUE-444760 - In-Memory drill down search fix**

In-Memory drill down search combining referenced asset and object type did not work correctly and has been fixed. For example, an In-Memory Web UI Advanced Search did not return the asset when specifying the product ID of a product referencing the asset.

■ **ISSUE-445001 - Match & Merge fix**

Now, Match & Merge Import will not fail if the existing Golden Record has been purged.

■ **ISSUE-445154 - Columns Control component configuration fix**

It is now possible to disable automatic width scaling for columns under the Columns Control component in Web UI. To enable this feature, contact Stibo Systems Support.

■ **ISSUE-445162 - Online help URL changed**

The URL that links to online help has been changed on the SDK front page.

■ **ISSUE-445483 - Attribute Value component and Initiate Item screen fixes for Web UI**

Fixed an issue that occurred when an LOV with ID Attribute Value component with typeahead override control type was being cleared out when the user input the value with ID in parentheses on the Web UI Node Editor screen.

There was also an issue on the Web UI Initiate Item screen, where previously-populated fields after a rejection from Business Action on Save were not taken into account when the user performed a second Save attempt. This has been fixed.

■ **ISSUE-445666 - Cached Node collections memory fix**

Previously, there was an issue where the memory for cached Node collections was released too soon, causing system crashes and incorrect searches when the memory was accessed again. This has been fixed.

■ **ISSUE-445688 - Fix for workflow navigation error**

Customer encountered errors when navigating to several workflow states. An `ArrayIndexOutOfBoundsException` fix was made for the Table Header References component on a Web UI Node List, which did not have any data to show (no available references / classification to product links for configured reference type). A hotfix for this solution is available for step-10.1-mp1.

■ **ISSUE-445783 - Solution to allow bulk actions to disable auto-commit**

Now, certain transactional Toolbar actions will not be affected by auto-commit procedures, as these actions are committing changes themselves. This is done to avoid operations on already deleted / invisible instances in the database, which cause them to appear as unhandled exceptions in Web UI as a result.

These actions are: Run Business Action, Bulk Update, Submit from Grid, Delete from Grid, Delete From Collection, Add/Remove Reference on Multireference, Create Asset, Change Reference Target, Suppress/Remove suppression, Create Object and Reference, Create Reference From Template, Change Reference Target.

■ **ISSUE-446281 - Node List sizing fix upon reload**

Now, the Node List panel on the Web UI Advanced Search screen will correctly resize when reloading the Advanced Search screen from the URL (navigating by the URL or reloading screen with search parameters).

■ **ISSUE-446484 - Exception fix for Run Business Action**

Fixed a Class Cast exception for the Web UI Run Business Action with Attribute Validated Parameter with configured Number validation base type attribute. Hotfixes are available for step-9.3-mp3, step-9.3-mp4, and step-10.1-mp1.

■ **ISSUE-446530 - Validity issue fix for reference table**

Fixed validity issues for a reference table when the Enforce Validity parameter is enabled. A hotfix is available for step-10.1-mp1.

■ **ISSUE-446553 - XSLT 2.0 compliant post-processor**

The OIEP XSLT Post-Processor is now XSLT 2.0 compliant.

■ **ISSUE-447345 - Fix for Referenced Asset Representation now allowing images to save**

Component errors were identified in multiple use cases as a customer transitioned from a customization to standard components / functionality. This issue is now fixed and uploaded assets values will be saved to the references if the BGP is succeeded or completed with errors (if assets are imported / updated). Hotfixes are also available for step-10.0-mp3 and mp4.

■ **ISSUE-447398 - Recursive approval popup window fix**

Fixed the popup window for recursive approval so that all rows are filled with data, not just the first one.

■ **ISSUE-447752 - Fix for Remove Reference not displaying**

The Remove Reference component will be shown if the user has the Privilege Delete Product Reference privilege. A privilege check was not done on this component in earlier versions. A 10.1-MP1 hotfix for this solution is also available.

■ **ISSUE-447755 - Fix for OK button not enabling in the Values Editor**

Fixed a Web UI problem occurring when changing multi-valued LOV attribute values, configured on Classification Product Links table on a Node Editor. Previously, it was not enabling the OK button on Values Editor popup.

■ **ISSUE-447759 - Assignee Table Header value fix**

Fixed an issue that occurred when the Assignee Table Header value did not refresh when the user selected the checkbox on Assign To Me Table Header on a Web UI Task List. Hotfixes are available for step-10.0-mp3, step-10.0-mp4, and step-10.1-mp1.

■ **ISSUE-448343 - Error file fix**

Fixed an issue where the error file generated by Excel terms import showed the incorrect items (they were shifted by 1 by row index). A hotfix is available for step-10.1-mp1.

■ **ISSUE-448436 - Task List permissions check**

Now, the Task List menu item on the Web UI Primary Navigation Panel will check permissions recursively to determine if the parent user group contains the necessary permissions.

■ **ISSUE-448866 - Fix for import process not showing same products in Excel error file**

Implemented correct solution to show a correct error line number in Terms Import that will not break the current Excel Converter error sheet creation.

■ **Fix for conditional sufficiency calculation**

An error has been fixed where data sufficiency data containers could incorrectly be deleted when using the option to conditionally calculate data sufficiency.

■ **Sufficiency data container cleanup fix**

A problem that caused data sufficiency data containers to not be cleaned up properly from the database when deleted has been fixed.

■ **Fixed Custom Export issue**

Fixed a problem when the Custom Export from Basket could not be done from the Homepage if there were more than 100 items in the basket.

■ **Xerces issue fix for SAML**

There was an issue with the Xerces library when a user attempted to login using SAML. This has been fixed.

■ **SAML authentication fix**

Fixed a downloading loop issue that occurred when authenticating to the Web UI or the workbench using SAML.

■ **Sequence Value Generator number fix**

The Sequence Value Generator now creates a new number each time it is called.

■ **Submit and Approve warning message submission configuration**

Introduced the ability to suppress the warning message from Submit and Approve actions on a Web UI Node Editor with Product Summary Card component configured in design mode. To enable this feature, contact Stibo Systems Support.

■ **Read-only attribute fix**

Now, read-only attributes in the product editor will not be updated.

■ **Fix for BOM ingredient search via typeahead**

The typeahead functionality in Add Ingredients now displays results alphabetically. It was not always consistent prior to this change since the list consisted of two parts: ingredient + additive. Previously, only the ingredients were already sorted, and if an ingredient was present more than once, the second part (additive) could be out of order. This has been fixed now by sorting the typeahead text after it has been constructed in the React component.

■ Solution for Amazon SQS extracting ZIP files issue

This issue has been fixed and is not occurring anymore; the zipped file can be extracted and there is no missing end of file.



DOCUMENTATION UPDATES

■ STEP Documentation link changes

A backend change to the STEP Documentation setup was completed for the MP2 release. With this change, you may experience a broken link if accessing a specific documentation section or topic from a bookmarked link.

For example:

- Previous link: [https://\[yoursystem\]/help/doc/#admin_portal/accessing_the_admin_portal.html](https://[yoursystem]/help/doc/#admin_portal/accessing_the_admin_portal.html)
- Current link: [https://\[yoursystem\]/help/doc/#adminp/accessing_the_admin_portal.html](https://[yoursystem]/help/doc/#adminp/accessing_the_admin_portal.html)

As always, documentation is searchable, and links in the left navigation panel provide you with material organized by descriptive headings and grouped by umbrella topics. Clicking the headings with the book icons displays additional topics.

■ Custom Asset Metadata topic updated

The Custom Asset Metadata topic was updated to include another example, and the XPath in the original example was corrected as well as the text defining the 'creator' attribute. The text in previous documentation versions incorrectly referenced name="History" instead of the correct name="Creator."

■ List Processing documentation updated

The List Processing section of the Data Preparation documentation now includes updates to the Processing Lists topic and the Configuring List Processing in Workbench topic. These updates reflect the functionality of release 10.1.

■ Custom Reference Target Search topic added

The Web User Interfaces section has been updated to include a Custom Reference Target Search topic. This option can be added to a Node Picker Search Tab and was introduced with the 10.1 release (refer to the 10.1 Web UI Enhancements and Changes release note).

■ Enhancement Request (ER) documentation update

Enhancement Request information housed within the customer portal (Jira) has been updated, and legacy materials have been removed. Access the current information via My Issues > Document Repository > Creating an Enhancement Request (ER).

■ **Artwork (cover rebranding updates) for SDK Documentation**

Cover rebranding has been done for SDK Documentation.

PATCH RECIPE

The 10.1-MP2 baseline patch can be installed with the following recipes:

```
spot --apply=to:step/platform/step-10.1-mp2.spr
```

—OR—

```
spot --upgrade=step:10.1*
```

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

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

Note: Customers may want to search Jira for their Maintenance Patch Issue Numbers. To do so, while in Jira, navigate to Issues (in the header bar) and then select ‘Search for Issues.’ Click on the ‘Advanced’ option on the filtering bar, and then type in ‘issue=’ and the Issue number from the Maintenance Patch Notes. Press Enter or click the magnifying glass icon to run the query. **Users will only be able to view Jira tickets for Maintenance Patch Issue Numbers that they have privileges to access. If the issue is not applicable to the user performing the search, then a ‘No issues were found to match your search’ message will be displayed.**

10.1-MP3 Maintenance Patch Notes

April 2021

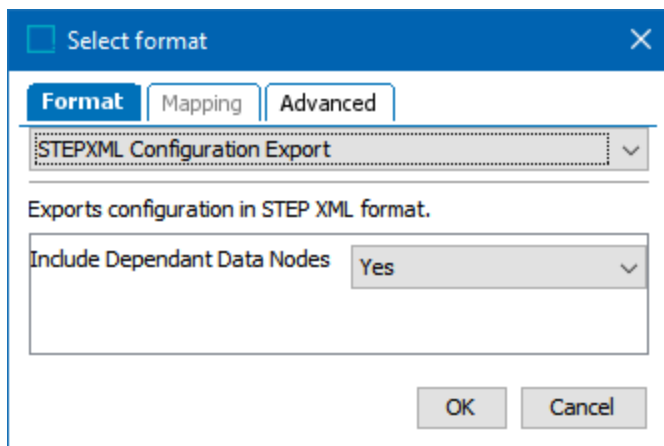


NEW FEATURES

■ New 'STEPXML Configuration Export' plugin

A new 'STEPXML Configuration Export' format plugin has been introduced for the Export Manager and outbound integration endpoints (OIEPs). The plugin makes it possible to easily export the full STEP configuration, including data node dependencies producing a cross-context STEPXML file.

OIEP example:



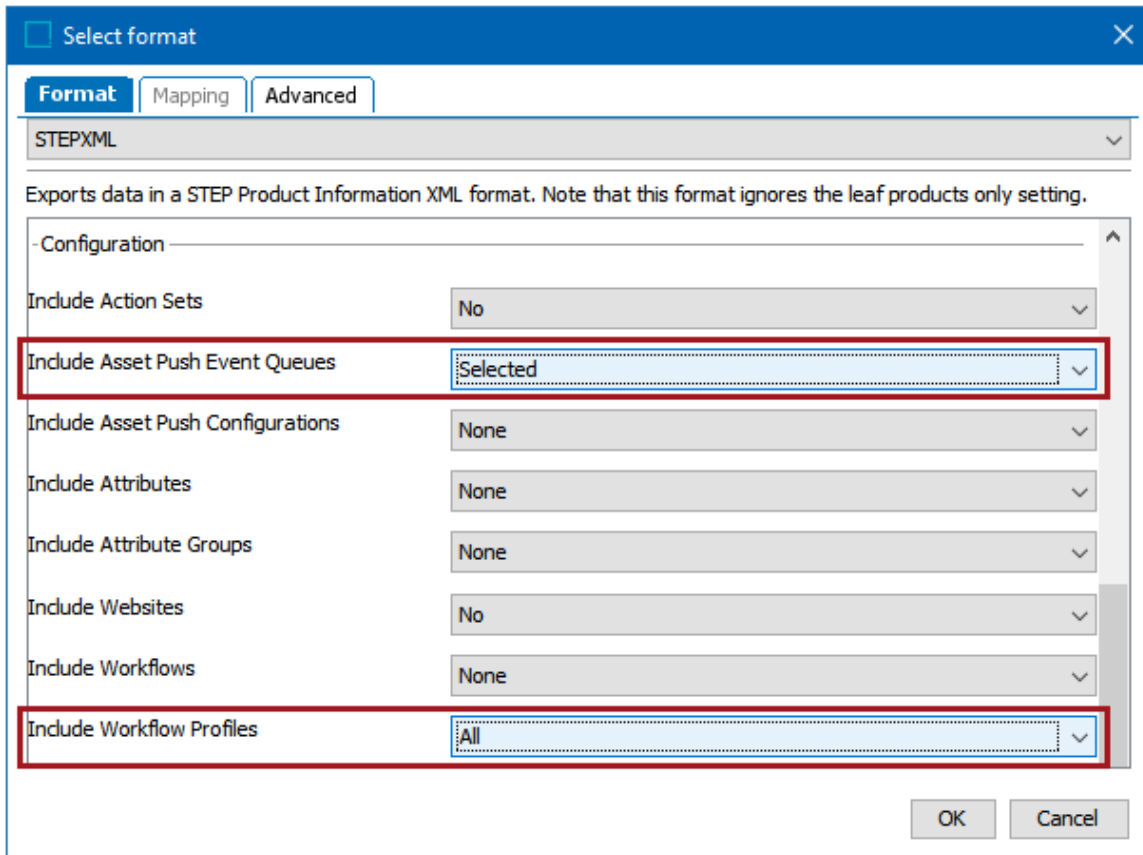
Refer to the STEPXML Configuration Export Format topic in the Data Format section of the Data Exchange documentation.

■ Support for STEPXML export and import of Workflow Profiles and Asset Push Event Queues

It is now possible to export and import Workflow Profiles and Asset Push Event Queues using STEPXML.

For the STEPXML format plugin, two new options, 'Include Asset Push Event Queues' and 'Include Workflow Profiles,' have been introduced. For the Advanced STEPXML format plugin corresponding output template elements, 'AssetPushEventQueues' and 'STEPWorkflowProfiles' are now available.

A modified image showing the Configuration list with the new STEPXML format plugins is below:



Select format

Format | Mapping | Advanced

STEPXML

Exports data in a STEP Product Information XML format. Note that this format ignores the leaf products only setting.

- Configuration -

Include Action Sets	No
Include Asset Push Event Queues	Selected
Include Asset Push Configurations	None
Include Attributes	None
Include Attribute Groups	None
Include Websites	No
Include Workflows	None
Include Workflow Profiles	All

OK Cancel

Details on these configuration updates can be found in the STEPXML Outbound Parameters topic in the Data Format section of the Data Exchange documentation.

For information on the Advanced STEPXML elements, refer to the XSD file, which can be found in the STEP API Documentation accessible from the Start Page of your STEP instance.

■ New Cloud Blob Storage Delivery for OIEPs and Export Manager

The new Cloud Blob Storage Delivery plugin for outbound integration endpoints (OIEPs) and export manager adds out-of-the-box functionality to deliver files directly to blob storage (Azure Blob Storage and Amazon S3 are currently supported). With regards to Azure Blob Storage, the functionality is similar to what is offered by the Azure Blob Storage Delivery Method introduced with the 10.1-MP1 release. The difference between the plugins is that this new plugin is part of the STEP baseline, can also be used for Amazon S3, and the Export Manager and OIEP configurations use the gateway integration endpoints versus having separate delivery method integration properties.

For configuration information, refer to the Cloud Blob Storage Delivery Method topics in the OIEP Delivery Methods and the Export Manager Delivery Methods sections of the Data Exchange documentation.



BUGFIXES

■ ISSUE-360209 - Approval status icon color fix

Fixed inconsistencies in approval status icon colors between Web UI and workbench.

■ ISSUE-392409 - Reference object link fix

An intermittent error occurred when the reference object link was clicked. This has been fixed.

■ ISSUE-397369 - Multi Edit Display Mode details fix

When the 'Show Details' option is selected in the advanced options for Multi Edit Display Mode for a Node List, the details were moved and hidden under other components. This has been fixed so that the scrollbar is shown when needed.

■ ISSUE-414654 - Basket screen and task list select item count fix

In the basket screen and task list in Web UI, the number of selected objects displayed was wrong when 'select all' was used and then filtering was applied. This has been fixed so that the selection shows the proper number of objects. Hotfixes are available for step-9.3-mp3 and step-9.3-mp4.

■ ISSUE-414728 - Change package memory fix

Viewing the changes that a change package creates can be memory intensive. To prevent memory issues on the client's machine, if displaying a detailed comparison will use too much memory, then the comparison will not be shown. Instead, both the before and after text will be highlighted in yellow. Change package analysis will still function as before.

■ ISSUE-414953 - Cancel button fix for Data Container popup

Fixed an issue where pressing the Cancel button on a Data Container popup cleared the previously made (and unsaved) changes.

■ ISSUE-416944 - Scene7 video support for Web UI

Now, Web UI supports playing videos when using Scene7 DAM.

■ ISSUE-421517 - OIEP background process fix

When the OIEP was disabled, the background process would keep running until all the events had been read. This only happened for single threaded OIEPs. This has been fixed, and hotfixes are available for step-9.3-mp3 and step-9.3-mp4.

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

This is only an information patch in order to get information about the Oracle Text queries. It affects Oracle full-text search only; a property update is needed prior to taking the patch.

■ **ISSUE-426140 - Asset Details attributes order fix for Web UI**

Asset Details attributes that are configured as an attribute group and manually sorted in workbench, will now be shown in the correct order on the Asset Preview Screen in Web UI.

■ **ISSUE-427345 - Improved InDesign error message**

The InDesign client error message when the Keycloak token has expired has been improved.

■ **ISSUE-428375 - Workflow Variable component read-only**

Now, the Workflow Variable component on a Web UI Node Editor will look the same as the Attribute Value component if it is read-only.

■ **ISSUE-428690 - Leading wildcard fix for Global Navigation Search**

Now, search suggestions will not accept leading wildcards in the Global Navigation Search, which is consistent with other components across Web UI.

■ **ISSUE-429904 - ISO date and time attribute fix for Multi Context Screen**

Now, ISO date and time attributes will not be localized according to the Web UI locale on the Multi Context Screen, since it is not possible to enable local locale options on this screen.

■ **ISSUE-430418 - Logging added for PDF generation**

Additional logging has been introduced to understand issues that occur when generating PDFs.

■ **ISSUE-438719 - Run Business Action button fix**

Now, the Run Business Action button will not be shown on the Web UI Node Editor in an Approved Workspace.

■ **ISSUE-438731 - Attribute value paragraph style tag fix**

On the Web UI Node Editor, there was an 'Attribute is edited by another user' error thrown when editing the attribute value with line breaks if there was a paragraph style tag p with '<p></p>' formatting defined. This has been fixed.

■ **ISSUE-438802 - Asset Importer fix for image name**

The Asset Importer was matching the image name with the value of the asset size of existing assets instead of the asset name. This has been corrected.

■ **ISSUE-439049 - Generic XML 'Override Sub Product' fix**

When creating an export configuration for Generic XML, it was not possible to use a 'multilevel reference' in a data path with 'Override Sub Product' as the root in the path when mapping. Now, 'multilevel reference' is allowed when the data path type 'Override Sub Product' is selected.

■ **ISSUE-439089 - Supplier privilege fix for the Status Selector Homepage Widget**

Fixed an issue that occurred when a user, impersonated as a supplier, did not get the same supplier privileges as the supplier user. This caused differences in the number of shown items on the Web UI Status Selector Homepage Widget.

■ **ISSUE-439505 - Date fix for Run Business Action parameter**

Fixed an issue with date attributes where certain locales saved dates incorrectly in the Run Business Action parameter in the Web UI.

■ **ISSUE-439935 - Fixed issue where Task List items were deselecting**

Fixed an issue occurring when scrolling within Multi Edit Display mode in a Web UI Node List caused selected items do be deselected.

■ **ISSUE-440312 - Smartsheet fixes**

Now, Excel Smartsheet will correctly unescape apostrophes when displayed in Node Picker and in the cell itself, preventing validation errors.

Additionally, multivalued hard-coded LOVs in Smartsheets did not treat the multivalue separator correctly, which caused an error when the user was adding multivalues with semi-colons. This has been fixed.

■ **ISSUE-440430 - Execution Report fixes**

Several fixes have been implemented for the Execution Report:

1. There is now a more-detailed error message when the user is unable to invoke an IEP because the lock for the poller cannot be acquired.
2. The message 'Skipping the asset 'SOME ASSET' approved on 'Tue Sep 08 22:35:29 CEST 2020' since it has already been transmitted.' would appear so frequently that it would drown out other information in the execution report. Therefore, that particular message is no longer logged in the execution report when using the PDS delivery plugin.
3. The 'ProcessMetaDataUtil.ExecutionReportMaxSize' configuration option has been fixed so that the size listed is respected.

■ **ISSUE-440890 - Solved supplier impersonation issue**

Fixed an issue occurring when a user, impersonated as a supplier user, did not get the same supplier privileges as the supplier user. This caused differences in the number of shown items on Web UI Homepage Status Selector Widget.

■ **ISSUE-441008 - Deactivated records solution for Clerical Review Task List**

Now, deactivated records will not be shown on the Clerical Review Task List and will not cause unexpected exceptions to occur on the Advanced Merge screen in Web UI. It is important to note that having a deactivated record in Clerical Review is a sign of Match & Merge component misuse.

■ **ISSUE-441312 - Header Repeating Pagination Plugin fix**

When placing a table in InDesign, if the table used the Header Repeating Pagination Plugin with 'Minimum Body Rows to Keep with Heading at Bottom of Column' > 1 and 'Minimum Body Rows to be Carried over to Top of Next Column' > 1, and the table was split (horizontally and vertically), then a wrong number of rows were placed in the first column and an empty frame was placed in the second column. Now, the table is split according to the configuration of the Header Repeating Pagination Plugin configuration.

■ **ISSUE-442533 - Status Selector Homepage Widget ellipsis fix**

Ellipsis styling has been implemented for long state names on the Web UI Status Selector Homepage Widget.

■ **ISSUE-442715 - Downloaded BGP Execution Report fix**

Previously in Web UI, downloaded background process Execution Reports could be empty. This has been fixed.

■ **ISSUE-445195 - Attribute Name fix for read-only popup**

Previously, the read-only popup on a Web UI Node List displayed the Attribute ID instead of the Attribute Name, even when the Attribute Name was not empty. This has been fixed.

■ **ISSUE-445203 - Semicolon added to SQL in Healthcheck changelog table**

A semicolon was missing from the SQL used to delete leaked rows from the changelog table in the Healthcheck tab of the admin portal. This has been fixed.

■ **ISSUE-445688 - Fix for workflow navigation error**

Customer encountered errors when navigating to several workflow states. An `ArrayIndexOutOfBoundsException` fix was made for the Table Header References component on a Web UI Node List, which did not have any data to show (no available references / classification to product links for configured reference type). A hotfix for this solution is available for step-10.1-mp1.

■ **ISSUE-445922 - CSV export fix**

Fixed an error in the converter framework that caused accumulated links to be exported twice when exporting in CSV format.

■ **ISSUE-446281 - Node List sizing fix upon reload**

Now, the Node List panel on the Web UI Advanced Search screen will correctly resize when reloading the Advanced Search screen from the URL (navigating by the URL or reloading screen with search presenters).

■ **ISSUE-447174 - Filter and Sort filtering condition fix**

On the Filter and Sort popup, the filtering condition will not reload after applying filtering on the Web UI Multi Edit Display Mode. This means that the selected filter type ('contain,' 'does not contain,' etc.) will not be reset after applying the filter.

■ **ISSUE-447345 - Fix for Referenced Asset Representation now allowing images to save**

Component errors were identified in multiple use cases as a customer transitioned from a customization to standard components / functionality. This issue is now fixed and uploaded asset values will be saved to the references if the BGP is successful or completed with errors (if assets are imported / updated). Hotfixes are also available for step-10.0-mp3 and mp4.

■ **ISSUE-447507 - Attribute Name fix for read-only popup**

Previously, the read-only popup on a Web UI Node List displayed the Attribute ID instead of the Attribute Name, even when the Attribute Name was not empty. This has been fixed.

■ **ISSUE-447752 - Fix for Remove Reference not displaying**

The Remove Reference component will be shown if the user has the Privilege Delete Product Reference privilege. A privilege check was not done on this component in earlier versions. A 10.1-MP1 hotfix for this solution is also available.

■ **ISSUE-447782 - Assignee Header table fixes**

Fixed an issue that occurred when an assigned item did not display correctly on the Assignee Header table in the Web UI Task List. There was an issue where it was not possible to assign the task list item to the current user's group if the item's current assignee does not belong to that group. This has also been fixed.

■ **ISSUE-447960 - Event processor order fix**

Fixed the incorrect order of event processor plugins and delivery methods in the OIEP / Event Processor Wizard in workbench.

■ **ISSUE-448343 - Error file fix**

Fixed an issue where the error file generated by an Excel terms import showed the incorrect items (they were shifted by 1 by row index). A hotfix is available for step-10.1-mp1.

■ **ISSUE-448436 - Task List permissions check**

Now, the Task List menu item on the Web UI Primary Navigation Panel will check permissions recursively to determine if the parent user group contains the necessary permissions to view the Task List.

■ **ISSUE-448866 - Fix for import process not showing same products in Excel error file**

Implemented a solution to show the correct error line number in terms import that will not break the current Excel Converter error sheet creation.

■ **ISSUE-449022 - Deactivated records solution for Clerical Review Task List**

Now, deactivated records will not be shown on the Clerical Review Task List and will not cause unexpected exceptions to occur on the Advanced Merge screen in Web UI. It is important to note that having a deactivated record in Clerical Review is a sign of Match & Merge component misuse.

■ **ISSUE-449059 - Product attribute value inheritance fix**

Fixed an issue on the Web UI Multi Edit Display Mode where the parent product attribute value did not update the inherited product values accordingly.

■ **ISSUE-449280 - Event processor derived event fix**

Previously, there was an issue in the event processor where the value was assumed to be a simple event, even though it could also be a derived event. This has been fixed.

■ **ISSUE-449325 - Workbench launcher fix**

Previously, a user was sometimes unable to launch the workbench. This has been fixed.

■ **ISSUE-449480 - REST Delivery Method URL fix**

Fixed a REST Delivery Method issue that intermittently occurred when two background processes (BGP) were trying to deliver to different URLs on the same server at the same time. Instead of delivering to different URLs, they would deliver to the same URL, causing an issue.

■ **ISSUE-449610 - Multivalued save fix**

Now, the Web UI Reference Metadata Value Header allows multivalued values to be saved. A hotfix is available for step-10.1-mp2.

■ **ISSUE-449616 - Queued events fix**

Fixed an error where a lock-free schema change failed and temporary system objects could not be queued in event queues.

■ **ISSUE-449662 - Reference type fixes for workbench**

Previously, selecting a reference type in various places would sometimes fail with an internal error in the workbench. When it did not fail, the sorting on some of the reference types could be wrong. These issues have been fixed.

■ **ISSUE-449883 - Primary Navigation Panel locale selector configuration**

Introduced the possibility to enable / disable a locale selector for the Primary Navigation Panel in Web UI. In 10.0, a locale selector is disabled by default. In 10.1, it is enabled by default. To enable this property, contact Stibo Systems Support.

■ **ISSUE-449891 - Scroll bar addition on border panel**

Added a scroll bar to the border panel on the Web UI Node Editor.

■ **ISSUE-449957 - Parent hierarchy fix for Smartsheet**

Fixed an issue that occurred when a selected object type on an Excel multi-object type Smartsheet template was not respected when showing parent hierarchy on the Parent Node Selector. This prevented parents from displaying in the Browse tab.

■ **ISSUE-450201 - Exception fix for Excel Smartsheet**

Previously, if the Excel Smartsheet contained semi-colons before a certain escape sequence for non-UTF-8 characters, then an exception would be raised during the request to server. This has been fixed.

■ **ISSUE-450399 - Cassandra import fix**

Fixed an issue that prevented a successful data migration from Oracle to Cassandra during an import.

■ **ISSUE-450964 - Configuration Export XML file fix**

In the 10.1-MP2 release, a new 'Transferring STEP Configuration and Sample Data' topic was added to online help. This topic, found in the Configuration Management section, links to a 'Configuration-Export' XML export configuration. There was an error in that target configuration file. This error has been fixed and a new export file is available via online help for this topic.

■ **ISSUE-450969 - NPE fix for gateway integration endpoint business function**

Fixed a NullPointerException (NPE) that hid the actual stack trace for the error that sometimes occurred when invoking a gateway integration endpoint via a business function.

■ **ISSUE-451159 - Search criteria fix for workbench**

Fixed a potential WorkAreaMemoryException when the Data Container Search was combined with other search criteria in the workbench.

■ **ISSUE-451375 - Auto-commit for bulk actions fix**

Now, the auto-commit feature for bulk actions on a Web UI Node List will not be overridden by the last auto-commit.

■ **ISSUE-451421 - Mandatory cells fix for Smartsheet**

Fixed an issue where mandatory cells in the exported maintenance Smartsheet became locked after saving the Smartsheet with changes.

■ **ISSUE-451517 - Fix for numeric values with different decimal separators**

Previously, numeric values with different decimal separators in different contexts were shown as unsaved on the Web UI Node Editor when the user switched between contexts. This has been fixed.

■ **ISSUE-451577 - Rich Text Editor fix**

In the Web UI Node Editor, if the user updated the attribute value in Rich Text Editor and added both paragraph character and style tags, an error occurred. This has been fixed.

■ **ISSUE-451706 - Performance fix for golden record matching**

A performance fix has been implemented for a specific case of handling references of type 'single' and unrevised golden record matching.

■ **ISSUE-451755 - ISO Date attribute fix**

Now, the ISO Date attribute value on the Multi Context Screen will show the correct date.

■ **ISSUE-452287 - User Activity Report security fix**

A security fix was made to the User Activity Report in the admin portal.

■ **ISSUE-452418 - Non-dimension-dependent attribute fix for Smartsheet export**

Fixed an issue that occurred when non-dimension-dependent attributes were shown as empty during cross-context Smartsheet export.

■ **InDesign error fix**

Fixed a NoSuchMethodError exception that was thrown when attempting to use the URL field in InDesign to navigate to a publication.

■ In-Memory Attribute Search fix

Previously, there was an issue with the In-Memory Attribute Search that sometimes occurred when using regular expressions filtering on the unit part of the value and the exclude search was part of a drill-down search expression.

■ Fixed Custom Export issue

Fixed problem when Custom Export from Basket could not be done from the Homepage if there were more than 100 items in basket.

■ Sequence Value Generator number fix

The Sequence Value Generator now creates a new number each time it is called.

■ Xerces issue fix for SAML

There was an issue with the Xerces library when a user attempted to login using SAML. This has been fixed.

■ SAML authentication fix

Fixed a downloading loop issue that occurred when authenticating to the Web UI or the workbench using SAML.

■ Sequence Value Generator fix

The Sequence Value Generator will now create a new number every time it is called.

■ Fix for BOM ingredient search via typeahead

The typeahead functionality in Add Ingredients now displays results alphabetically. It was not always consistent prior to this change since the list consisted of two parts: ingredient + additive. Previously, only the ingredients were already sorted, and if an ingredient was present more than once, the second part (additive) could be out of order. This has been fixed now by sorting the typeahead text after it has been constructed in the React component.

■ Solution for Amazon SQS extracting ZIP files issue

This issue has been fixed and is not occurring anymore; the zipped file can be extracted and there is no missing end of file.

■ Read-only attribute fix

Now, read-only attributes in the product editor will not be updated.

■ URL fix for Faceted Search component

There were unnecessary navigation parameters in the URL of the Faceted Search component. These have been removed.

■ BGP timing fix

When exporting data from the Faceted Search screen, Background Process (BGP) execution was scheduled rather than being started by the export service, which meant that it was not waiting for completion before sending a response to the front-end that contains the BGP ID. This has been fixed, so now the BGP ID is sent at the appropriate time.

■ Cassandra retry policy update

The Cassandra retry policy has been updated to be more compatible with unstable networks.

■ Debugging option added to prevent server crash

A debugging option has been added to trigger a heapdump on Reference Counter Inconsistency Exceptions in order to prevent a crash that occurred when Cassandra rejected a transaction commit in the workbench.

■ Feature links fix for ETIM XML

Feature links inside classifications that are marked as changeCode='Deleted' in ETIM XML will not be linked as classification references to attributes in STEP.



DOCUMENTATION UPDATES

■ Product Data Syndication (PDS) documentation updated

The Product Data Syndication Receiver and Product Data Syndication Delivery Method topics were updated to include the new Server URL for PDS integrations. **Customer action is needed for those systems that have not already updated the 'PDS.Url' property in the sharedconfig.properties file.**

Also, the Product Data Syndication section has been updated to include the Referenced Object Metadata as PDS Composite Attributes topic. This new topic condenses and clarifies information that was originally presented in topics within the Product Data Syndication section of the documentation that addressed 1WorldSync processes and procedures; those topics have been removed.

■ Micro content and code updates

To better present content to you upon searching online help, the STEP Documentation now includes micro content that will be displayed upon searching certain words / terms. Additionally, we have started

updating some topics to better display sample JavaScript and STEPXML code and allow for copying the complete example code with a single-click of the 'Copy' link rather than copying line by line.

Both of these enhancement projects are in their early stages and work is advancing. The Product Documentation team welcomes your feedback on these initiatives along with any other suggestions for improvement via the Customer and Partner Communities.

PATCH RECIPE

The 10.1-MP3 baseline patch can be installed with the following recipes:

```
spot --apply=to:step/platform/step-10.1-mp3.spr
```

—OR—

```
spot --upgrade=step:10.1*
```

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

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

Note: Customers may want to search Jira for their Maintenance Patch Issue Numbers. To do so, while in Jira, navigate to Issues (in the header bar) and then select 'Search for Issues.' Click on the 'Advanced' option on the filtering bar, and then type in 'issue=' and the Issue number from the Maintenance Patch Notes. Press Enter or click the magnifying glass icon to run the query. **Users will only be able to view Jira tickets for Maintenance Patch Issue Numbers that they have privileges to access. If the issue is not applicable to the user searching, then a 'No issues were found to match your search' message will be displayed.**

10.1-MP4 Maintenance Patch Notes

April 20, 2021



NEW FEATURES

■ New Elasticsearch publishing business condition

The new case-sensitive 'Elasticsearch.FeatureToggle.PublishingBusinessCondition' property for faceted search is now available in the sharedconfig.properties file. This property allows users to prevent publishing contexts to the Elasticsearch database for which there is no relevance, for example, contexts that contain no values. By default, the property is set to false. Setting the toggle to 'true' allows selection of a business condition in the Elasticsearch Configuration object. The business condition should be written to return true for each context in which the node is valid for Elasticsearch and return false for each context in which the node is not valid to be published to the Elasticsearch database. The number of nodes published and rejected based on the business condition are reported in the event processor execution report.

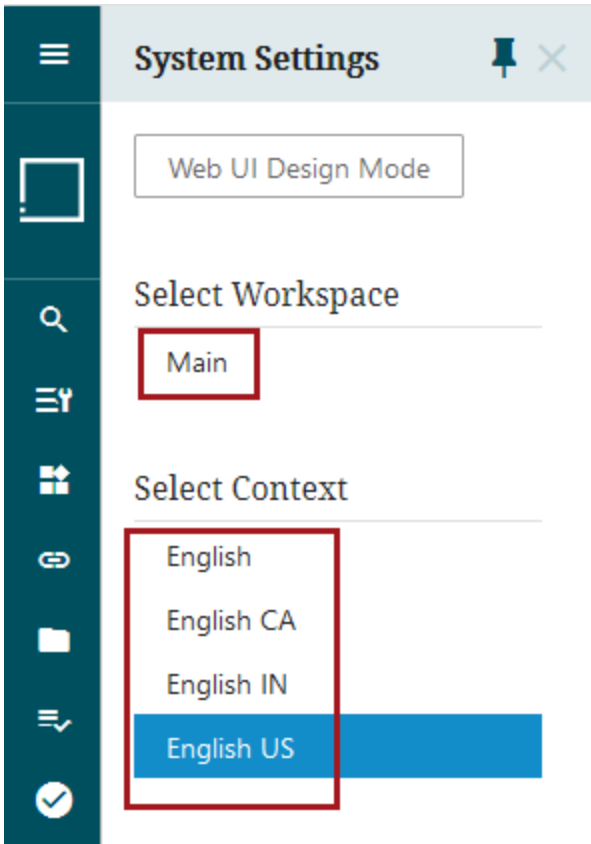
Elasticsearch is used by the Search Screen to provide a faceted search and is activated by the Faceted Search User Experience commercial license. Contact your account manager or partner manager to begin the process of enabling a license or licenses for your system.

For details, refer to the Initial Setup for Elasticsearch topic in the Web User Interfaces documentation.

■ Ability to restrict contexts and workspaces available in the Web UI

The Global Navigation Panel now gives admin users the ability to restrict which contexts and workspaces Web UI users have access to. Previously, all configured contexts and workspaces were shown and selectable by any Web UI user in the Global Navigation Panel. With this change, admin users can now manage Web UI user access to contexts and workspaces in a way that can help prevent errors and increase productivity throughout the Web UI.

By clicking the 'Settings' button on the Global Navigation Panel, appropriately privileged end users can view the 'Select Workspace' and 'Select Context' menus, from which they can choose which context or workspace to view. As shown in the screenshot below, configuration of the new 'Context Global Representation' and 'Workspace Global Representation' components results in only the 'Main' workspace displaying under 'Select Workspace,' and only English language contexts available under the 'Select Context' menu.



This functionality is available in baseline with 10.1-MP4. It was also backported to 10.0-MP4 and is available in a hotfix applicable to 10.0-MP3 and 10.0-MP4.

For more information on the Global Navigation Panel, refer to the Global Navigation Panel topic in the Web User Interfaces documentation.



BUGFIXES

■ ISSUE-414728 - Change package memory fix

Viewing the changes that a change package creates can be memory intensive. To prevent memory issues on the client's machine, detailed comparisons will not be shown if the comparison will use too much memory. Instead, both the before and after text will be highlighted in yellow. Change package analysis will still function as before.

■ ISSUE-420945 - Confirmation dialog added to Run Business Action

Now, a confirmation dialog will be shown on the Web UI Node List when a user selects all items and executes the Run Business Action when the number of items is greater than or equal to 5,000.

■ **ISSUE-430051 - Height / width field calculation fix in workbench**

Previously, the auto-calculation of width / height in custom conversion on the Export Images & Documents Wizard in workbench was incorrect if the user typed values in the height / width fields faster than the respective fields were calculated. This has been fixed.

■ **ISSUE-431554 - Context help HTML fix for Web UI**

Now, HTML markup will be rendered correctly in context help for table headers in Web UI.

■ **ISSUE-434193 - Autoupgrader performance fix for PIM**

A performance fix has been implemented for the PIM autoupgrader.

■ **ISSUE-435303 - Homepage Search Widget search phrase fix**

Now, old search phrases on the Web UI Homepage Search Widget will be truncated and display an ellipsis to minimize space.

■ **ISSUE-438802 - Asset Importer fix for image name**

The Asset Importer was matching the image name with the value of the asset size of existing assets instead of the asset name. This has been corrected, and a hotfix is available for step-10.1-mp3.

■ **ISSUE-438829 - Advanced STEPXML error fix for referenced objects with a data container**

When exporting in Advanced STEPXML format, an exception was thrown if an object had a reference to another object that had a data container. This has been fixed so that the objects will export without error.

■ **ISSUE-441177 - Workflow task list NPE fix**

Fixed a NullPointerException (NPE) that occurred when a workflow task list with translation status was displayed in the workbench.

■ **ISSUE-441895 - Toolbar action configuration for Edit Collection Search Criteria**

Introduced a configuration property to enable toolbar actions on the Edit Collection Search Criteria mode on the Web UI Advanced Search screen. To enable this property, contact Stibo Systems Support.

■ **ISSUE-444013 - Configuration file fix for Custom Export**

The configuration files for custom export templates will now load correctly, so that mappings are displayed when using Custom Export from the Web UI Basket Screen.

■ **ISSUE-445062 - Table split fix for Header Repeating Pagination Plugin**

Fixed an issue in InDesign where the table did not split correctly to the second page when using the Header Repeating Pagination Plugin.

■ **ISSUE-445922 - CSV export fix**

Fixed an error in the converter framework that caused accumulated links to be exported twice when exporting in CSV format.

■ **ISSUE-447961 - Log level fix for token-based authentication**

The log file had a false positive SEVERE log level for token-based authentication keys from standard logging. This has been fixed.

■ **ISSUE-448144 - Recycle Bin fix for large number of items**

Previously, an error might occur when attempting to delete a large number of items from the Recycle Bin. This has been fixed.

■ **ISSUE-448334 - Fix for SPECIAL_TREATMENT_CLASS BMECat export**

When exporting in BMECat format, an error would be thrown if one of the defined 'SPECIAL_TREATMENT_CLASS' values was null. This has been fixed, so that when one of the 'SPECIAL_TREATMENT_CLASS' values is null, no error is thrown and the tag is not generated for null values.

■ **ISSUE-448603 - Scene7 support for User Agent header**

Introduced a configuration property to set the User Agent header to Scene7 download request. To enable this property, contact Stibo Systems Support.

■ **ISSUE-449480 - REST Delivery Method URL fix**

Fixed a REST Delivery Method issue that intermittently occurred when two background processes (BGP) were trying to deliver to different URLs on the same server at the same time. Instead of delivering to different URLs, they would deliver to the same URL, causing an issue.

■ **ISSUE-450185 - Run Business Action Multi Value fix**

Now, Run Business Action on the Web UI Node Editor will be executed with a very short delay to allow values to be changed in case the user updates a Multi Value on the Attribute Value or Value Group component and immediately clicks on the Run Business Action button.

■ **ISSUE-450203 - Selfcontained references option fix for BMEcat format exports**

Previously, the 'Selfcontained references' option was not working correctly when exporting in BMEcat format via OIEP.

■ **ISSUE-450399 - Cassandra import fix**

Fixed an issue that prevented a successful data migration from Oracle to Cassandra during an import.

■ **ISSUE-450322 - InDesign error fix**

Fixed a NoSuchMethodError exception that was thrown when attempting to use the URL field in InDesign to navigate to a publication.

■ **ISSUE-450460 - eCatalog exporter fix for BMECat format**

Previously, when exporting eCatalog using BMECat format and the 'Attributes Inherited from Classification' option was selected, the orphan attribute values were incorrectly exported. This has been fixed.

■ **ISSUE-450532 - Asset export size fix for exporter**

There was an issue in the exporter with In-Memory enabled that caused referenced nodes with 'Asset ExportSize = "Minimum"' to not be included in the exports. This has been fixed.

■ **ISSUE-451015 - References component column fix**

Previously, on the Web UI References component, if the Read-only parameter is checked, links for Target Title Column and Target ID Column did not forward the reference. This has been fixed for all column components with links.

■ **ISSUE-451517 - Fix for numeric values with different decimal separators**

Previously, numeric values with different decimal separators in different contexts showed as unsaved on the Web UI Node Editor when the user switched between contexts. This has been fixed.

■ **ISSUE-451577 - Rich Text Editor fix**

In the Web UI Node Editor, if the user updated the attribute value in Rich Text Editor and added both paragraph character and style tags, an error occurred. This has been fixed.

■ **ISSUE-451706 - Performance fix for golden record matching**

A performance fix has been implemented for Golden Record Matching related to a special case for handling references of type single and unrevised.

■ **ISSUE-452198 - Referenced Other Business condition fix**

Fixed an issue that occurred when the Referenced Other Business condition was submitting data without validation, causing the data not to display properly in Web UI.

■ **ISSUE-452475 - Value Section fix for Multi Reference component**

Now, the user can correctly select items in the Web UI Multi Reference component when the 'Open' option in Value Section properties is unchecked.

■ **ISSUE-452905 - Data Profile screen refresh fix**

If the Web UI Data Profile screen is refreshed, duplicated processes are no longer created if the system is restarted.

■ **ISSUE-454275 - NPE fix for Smartsheet exports**

Previously, a NullPointerException was thrown when exporting a Smartsheet with dimension-dependent attributes with units. This has been fixed.

■ **ISSUE-454591 - Referenced asset image fix for suppliers**

Now, referenced asset images where the asset is under the supplier hierarchy will be correctly shown for supplier users on the Referenced Asset Representation component on the Node Editor screen in Web UI.

■ **ISSUE-454677 - Missing mandatory error message fix**

Fixed a 'Missing mandatory' message that appeared twice when the user deleted a reference that had missing mandatory attribute values on the Web UI Node Editor References component.

■ **ISSUE-454893 - Decimal separator editing on Web UI Node Editor fix**

Now, an 'Attribute is being edited by another user' exception will not be shown on the Web UI Node Editor when a user modifies a numeric attribute with comma separator in German locale and attempts to save it.

■ **ISSUE-455546 - Run Bulk Update with Templates dialog error fix**

On the Web UI Node Editor, an exception was thrown when the user initially opened the Run Bulk Update with Templates dialog with Multi Value parameter and clicked 'cancel,' then opened the same dialog again. This has been fixed. Additionally, it has been backported to 10.1-MP3 and is also available via hotfix for step-10.1-mp3.

■ **ISSUE-455657 - Golden Record Matching performance fix**

A performance fix has been implemented for Golden Record Matching related to a special case for handling references of type single and unrevised.

■ **ISSUE-455814 - Logging level changed**

On the server site sidecar component, the following logging information has been changed to FINER log level:

INFO: Forwarding sidecar status message to ap4a4st1.step.wcp.wuerth.com

INFO: URI Too Long

■ **ISSUE-456013 - Background Process and Alert notifications configuration fix**

Introduced the possibility to disable the Background Process and Alert notifications component on the Web UI Message Area, which is a non-configurable replacement for corner bar when the Global Navigation Panel is configured. To enable this property, contact Stibo Systems Support.

■ **In-Memory Attribute Search fix**

Previously, there was an issue with the In-Memory Attribute Search that sometimes occurred when using regular expressions filtering on the unit part of the value and the exclude search was part of a drill-down search expression. This has been fixed.

■ **Sequence Value Generator fix**

The Sequence Value Generator will now create a new number every time it is called.

■ **Fixed Custom Export issue**

Fixed a problem where a Custom Export from Basket could not be performed from the Homepage if there were more than 100 items in the basket.

■ **Sequence Value Generator number fix**

The Sequence Value Generator now creates a new number each time it is called.

■ **Xerces issue fix for SAML**

There was an issue with the Xerces library when a user attempted to login using SAML. This has been fixed.

■ **SAML authentication fix**

Fixed a downloading loop issue that occurred when authenticating the Web UI or workbench using SAML.

■ **Sequence Value Generator fix**

The Sequence Value Generator will now create a new number every time it is called.

■ **Sequence Value Generator number fix**

The Sequence Value Generator now creates a new number each time it is called.

■ **Fix for BOM ingredient search via typeahead**

The typeahead functionality in Add Ingredients now displays results alphabetically. It was not always consistent prior to this change since the list consisted of two parts: ingredient and additive. Previously, only the ingredients were already sorted, and if an ingredient was present more than once, the second part (additive) could be out of order. This has been fixed now by sorting the typeahead text after it has been constructed in the React component.

■ **Solution for Amazon SQS extracting ZIP files issue**

This issue has been fixed and is not occurring anymore; the zipped file can be extracted and there is no missing end of file.

■ **Read-only attribute fix**

Now, read-only attributes in the product editor will not be updated.

■ **BGP timing fix**

When exporting data from the Faceted Search screen, Background Process (BGP) execution was scheduled rather than being started by the export service, which meant that it was not waiting for completion before sending a response to the front-end that contains the BGP ID. This has been fixed, so now the BGP ID is sent at the appropriate time.

■ **Cassandra retry policy update**

The Cassandra retry policy has been updated to be more compatible with unstable networks.

■ **Debugging option added to prevent server crash**

A debugging option has been added to trigger a heapdump on Reference Counter Inconsistency Exceptions in order to prevent a crash that occurred when Cassandra rejected a transaction commit in the workbench.

■ **Search criteria fix for workbench**

Fixed a potential WorkAreaMemoryException when the Data Container Search was combined with other search criteria in the workbench.

■ **Transaction log recovery fix for Cassandra**

Heap pressure during transaction log recovery on Cassandra has been reduced to prevent connection issues.

■ **ParentID fix for OIEP classifications export**

Now, the parentID field will populate correctly in the MongoDB delivery output during OIEP classifications export.

■ **Remove Reference action fix**

Previously, the Remove References action on the Web UI Multi Reference screen did not respect the filtering when the action was performed on items that were selected via the Select All action. This has been fixed.

■ **Cassandra fix for nearly-empty transactions**

Improvements have been made to the handling and logging when committing nearly-empty transactions on Cassandra. In special cases, the Importer can get into a situation where it tries to commit a transaction and the check for empty transactions throws an unneeded exception. This has been converted to a warning in the log.

■ **Mandatory email no longer a requirement for PDS Channel Metric users**

With the 10.1 release, users that wanted to access the PDS Channel Metric when configuring a Completeness Metric would need to have an email address included in their user settings. Furthermore, users that wanted to access channels from within the PDS Channel Metric would need an email address included in their user settings that matched their email address within PDS. This functionality differed from releases prior to 10.1. Now, users do not need to include an email within their user settings to access the PDS Channel Metric or the channels included within the PDS Channel Metric. Updated functionality will be available when a new version of the productdatasyndication-integration component is released next (version 7.0.27).

■ **Read-only Attribute column fix for Smartsheet**

Previously, the Attribute column on an exported Smartsheet that contains multiple object types was read-only when the attribute was invalid for one of the mapped object types. Now, cells will be locked individually for each product for which the attribute is not valid. Hotfixes are available for step-9.3-mp3, step-9.3-mp4, and step-10.1-mp3.



DOCUMENTATION UPDATES

■ **PDS Publish wizard mandatory email**

With the 10.1 release, the Publish wizard for PDS (available from the Search Screen basket) only allows access to PDS channels for users who have an email address on their STEP user that matches their email address in PDS. This is now documented in the Search Screen Basket topic in the Web User Interfaces documentation.

PATCH RECIPE

The 10.1-MP4 baseline patch can be installed with the following recipes:

```
spot --apply=to:step/platform/step-10.1-mp4.spr
```

—OR—

```
spot --upgrade=step:10.1*
```

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

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

Note: Customers may want to search Jira for their Maintenance Patch Issue Numbers. To do so, while in Jira, navigate to Issues (in the header bar) and then select ‘Search for Issues.’ Click on the ‘Advanced’ option on the filtering bar, and then type in ‘issue=’ and the Issue number from the Maintenance Patch Notes. Press Enter or click the magnifying glass icon to run the query. **Users will only be able to view Jira tickets for Maintenance Patch Issue Numbers that they have privileges to access. If the issue is not applicable to the user searching, then a ‘No issues were found to match your search’ message will be displayed.**

10.1-MP5 Maintenance Patch Notes

September 23, 2021



BUGFIXES

■ ISSUE-429686 - Full screen video component

Now, a full screen button will be created for each video component, which will allow to correctly play videos in full screen mode in Web UI.

■ ISSUE-435830 - STEPXML fix for Ariba CIF converter

Fixed an issue with the STEPXML recorder file generation for the Ariba CIF converter so that it contains all required types of elements, i.e., classifications, classification-product links, and references.

■ ISSUE-440359 - Keycloak authentication fix and Global Navigation error fix

It is no longer possible to change a user's password in Web UI with Keycloak authentication. Additionally, a Class Cast exception that was thrown on the Global Navigation panel with Status Selectors configured has been fixed.

■ ISSUE-440534 - Configuration property introduced to clear the node list

Introduced a configuration property to clear a node list after executing Run Business Action in the Node List Toolbar. To enable this property, contact Stibo Systems Support.

■ ISSUE-445655 - Customer-specific translation fix and attribute name fix

It is now possible to export via email when using the customer's add-on for translations. Additionally, the Background Process (BGP) for delivery had previously set an attribute name that was too long. Now, it is shortened as necessary.

■ ISSUE-448603 - Scene7 support for User Agent header

Introduced a configuration property to set the User Agent header to Scene7 download request. To enable this property, contact Stibo Systems Support.

■ 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.

■ **ISSUE-452198 - Referenced Other Business condition fix**

Fixed an issue that occurred when the Referenced Other Business condition was submitting data without validation, causing them not to display properly in Web UI.

■ **ISSUE-455546 - Run Bulk Update with Templates dialog error fix**

On the Web UI Node Editor, an exception was thrown when the user initially opened the Run Bulk Update with Templates dialog with Multi Value parameter and clicked 'cancel,' then opened the same dialog again. This has been fixed. Additionally, it has been backported to 10.1-MP3 and is also available via hotfix for step-10.1-mp3.

■ **ISSUE-455613 - Columns Control resizing fix**

Previously, the Columns Control content on the Web UI Node Editor was not resizing correctly when the Global Navigation Panel was pinned, unpinned, opened or closed. This has been fixed.

■ **ISSUE-455996 - Global Navigation Search typeahead fix**

Fixed an issue that occurred when multiple object types on the Global Navigation Search typeahead object types parameter caused only the first object type to be respected during the search.

■ **ISSUE-456965 - Sorting error fix for Revision mode in workbench**

Fixed an exception that occurred when sorting Classification to Product links in Revision mode in workbench.

■ **ISSUE-457251 - Workbench error message fix**

In some cases, original error messages would be lost if communication with the workbench failed. This has been fixed.

■ **ISSUE-457693 - Planned page printing fix**

An exception occurred when attempting to print a planned page in the workbench. This has been fixed.

■ **ISSUE-457779 - Bulk Update template dialog value character fix**

Now, the Bulk Update template dialog values will be correctly escaped if they contain less than or greater than characters in order to avoid TagParser exceptions.

■ **ISSUE-457833 - Children of Types screen exception fix**

Previously, an exception was raised when adding a Custom Export Action on a Children of Types screen in Web UI Design Mode. This has been fixed.

■ **ISSUE-458428 - Web UI Component Report authentication fix**

Authentication for the Web UI Component Report has been changed so that the user is taken to the Component Report login page instead of SAML login, which had caused an error.

■ **ISSUE-458429 - Asset transformation fix for InDesign**

Fixed an issue where asset transformation did not work on InDesign tables.

■ **ISSUE-458469 - ISO Date fix for Node Editor**

Fixed an issue where the ISO Date was set incorrectly on the Web UI Node Editor if there was a time zone difference between Web UI and STEP server. Hotfixes are available for step-9.3-mp3, step-9.3-mp4 and step-10.1-mp4.

■ **ISSUE-458601 - Translation file import fix**

Fixed an issue with importing translation files where node structures were also manipulated.

■ **ISSUE-458690 - Looping asset upload**

Fixed a looping asset upload issue for corrupted JPEG files in the workbench.

■ **ISSUE-459046 - Importer error fix**

Previously, a missing description of a Classification to Product link importer error caused an empty error to be thrown during an import BGP report. This has been fixed, and hotfixes are available for step-10.0-mp1 - mp4, step-10.1-mp3 and step-10.1-mp4.

■ **ISSUE-459068 - Event processor Description fix**

Previously, there was an issue where the name of the output file was added to the Description each time an event was processed in the event queue. Now, the file name has been removed from the previous run before adding it to the current event processor run, thereby ensuring that the Description message does not continue to increase in length.

■ **ISSUE-460405 - Header Repeating Pagination Plugin fix**

Previously in InDesign, when a table with the Header Repeating Pagination Plugin and a number of cell spans were split over multiple pages, an exception was thrown and products were missing in the table. Now, the error will not appear and all products are shown on the table.

■ **ISSUE-460470 - Fix for drag and drop of images to basket to flatplan**

Fixed an issue associated with dropping multiple classifications onto a flatplan basket on MacOS when using workbench.

■ **ISSUE-460556 - LOV Cross-Validation Business Condition LOV ID fix**

The workbench editor for LOV Cross-Validation Business Condition now shows the LOV ID as part of the display in both defining and dependent lists.

■ **ISSUE-460711 - Translation approval fix for classifications**

Previously, translation approvals would fail if the option 'Approve All' was selected in the 'Approve Table(s), Reference(s) and Attribute Value(s)' dialog that displayed when the Approve Translation right-click menu was used on a classification. This has been fixed so that they do not fail.

■ **ISSUE-460815 - Paginating column fix for InDesign**

When paginating using the align bottom setting for a frame in InDesign, the column placement is now taken into account when calculating align bottom setting.

■ **ISSUE-460825 - Application server memory fix**

Previously, a large number of errors caused the application server to run out of memory when importing Excel sheets. This has been fixed.

■ **ISSUE-461613 - Tab Page LOV filtering fix**

Previously, when the Web UI Tab Page was configured for lazy loading, the LOV filtering was not working. This has been fixed so that upon loading the Tab Page, LOV filtering is applied.

■ **ISSUE-461780 - Error message fix for InDesign**

The error message that occurred when creating an InDesign package from documents for the publication has been improved to be more descriptive.

■ **ISSUE-462956 - Tab Page component fix**

Previously, a number of components were not shown correctly on the Web UI Tab Page if the Tab Page contained a Node List which had more than two invalid components (e.g., missing mandatory attribute values). This has been fixed.

■ **ISSUE-463063 - Smartsheet performance improvements**

There have been several performance improvements regarding auto-resizing of columns, locking the cells in the template, and formatting cells when opening an Excel Smartsheet. Hotfixes are available for step-10.1-mp3 and step-10.1-mp4.

■ **ISSUE-463101 - Custom Export Action fix for Children of Types screen**

Previously, an exception occurred when adding a Custom Export Action on a Children of Types screen in the Web UI. This has been fixed.

■ **ISSUE-463181 - IIEP PreProcessor fix**

Fixed an error that occurred when a preprocessor tried to convert an Excel file in the Inbound Integration Endpoint with a PreProcessor selected.

■ **ISSUE-463406 - New servlet for logging out**

A new servlet has been introduced that can log a user out of Web UI and Keycloak. The new servlet is [https://\[STEP_URL\]/webui/webui/logout](https://[STEP_URL]/webui/webui/logout). Hotfixes are available for step-10.1-mp3, step-10.1-mp4, and step-10.2-mp1.

■ **ISSUE-463422 - Approved Workspace Run Business Action configuration property**

Introduced the possibility to execute business actions via a Run Business Action action on the Web UI Node Editor in an Approved Workspace. To enable this property, contact Stibo Systems Support.

■ **ISSUE-463921 - InDesign table fix**

Previously, when placing a table from a product in InDesign, if the table did not have any content and a transformation removed all rows and columns, then a number of error messages were written into the log. Now, tabled without rows or columns are not handled.

■ **ISSUE-464048 - Multivalue separator fix for inline references**

Now, inline references to an attribute will correctly display multivalue separators.

■ **ISSUE-464097 - Flatplan page import fix**

Fixed an issue with importing a Flatplan page directly onto an existing modified Flatplan page. A hotfix is available for step-10.1-mp4.

■ **ISSUE-464194 - Asset matching fix for In-Memory**

Fixed an issue that occurred when an asset was matched by name with an existing asset during a STEP import when STEP was running In-Memory. A hotfix is available for step-10.1-mp4.

■ **ISSUE-464255 - Attribute text value break line fix**

The break lines in attribute text values (/n) will be respected in the Data Container Table View Editor component in Web UI so now values will be displayed on multiple lines.

■ **ISSUE-464589 - NPE fix for Merge Attributes Bulk Update**

Fixed a NullPointerException that occurred during a Merge Attributes Bulk Update if the source attribute was used in cross-context Classification to Product Links.

■ **ISSUE-464690 - Business condition fix**

Now, business conditions on the Web UI Node Editor will not be evaluated when a user is leaving the screen.

■ **ISSUE-464724 - LOV Attribute Value component long words fix**

Now, long values for the LOV attribute will be correctly truncated and display an ellipsis on the Web UI Node Editor screen with the Override Control Type set as 'Radio with clear' option selected.

■ **ISSUE-464904 - Default context fix for Web UI**

When a Context Global Representation with a list of available contexts has been set up on Main, a default context which is not part of the available contexts will not be set during the Web UI login.

■ **ISSUE-465037 - Default Tab configuration property**

A new configuration property allows for the usage of the Default Tab Key, which is determined by Business Function on the Web UI Tab Page. If this option is enabled, a default tab (if set) will be used when determining a current tab on the Web UI Tab Page load without checking if the current URL has changed or the URL parameters. To enable this property, contact Stibo Systems Support.

■ **ISSUE-465414 - Attribute Management Screen button fix**

Fixed an issue where the Node Details on the Attribute Management Screen did not update the button validity correctly when changing the Attribute Validation Type to List Of Values from Text. Now, the Save button will be displayed correctly.

■ **ISSUE-465534 - Search performance fixes**

A performance enhancement has been implemented for the Web UI Search Widget. Additionally, a performance fix has been made to the search functionality in the workbench. A hotfix is available for step-10.1-mp4.

■ **ISSUE-466017 - Caching improvements for localization information**

Improvements have been made to the caching of customized localization information used by Web UI.

■ **ISSUE-466507 - Data Visualization Representation NPE fix**

Fixed a NullPointerException (NPE) that was caused by a missing Primary Image Reference Type on the Web UI Data Visualization Representation screen. Hotfixes are available for step-10.1-mp1 - step-10.1-mp4.

■ **ISSUE-466605 - Background Process performance fix**

A performance fix has been implemented for completed BGPs in the event processor.

■ **ISSUE-467419 - Missing mandatory error message fix**

Fixed an issue that occurred when switching between items that had missing mandatory values (or any other kind of validation errors relating to the Attribute Value component when on the Web UI Node List. This issue caused a lot of problems to accumulate on a parent tab. A hotfix is available for step-10.1-mp4.

■ **ISSUE-467472 - Embedded Entity cross reference fix**

Fixed an issue where Embedded Entity cross references with the same source information but with different object types were treated as self-references during the Match and Merge Import.

■ **ISSUE-467716 - Domain exporter fix for inherited multivalued data**

Fixed an issue where inherited multivalued data containers were not correctly exporting in the domain exporter.

■ **ISSUE-467936 - Submit action fix for Attribute Value components**

Now, Submit action alerts will not be cleared out immediately on the Web UI Node Editor screen with Attribute Value components with an LOV Cross-Validation business condition.

■ **ISSUE-467939 - Fixed Cassandra issue**

Fixed issue on Cassandra based systems, where a single update mode import of an attribute definition could deadlock the system.

■ **ISSUE-468825 - Building Attribute Value headers**

Now, it is possible to build Attribute Value headers on Multi Reference screen faster.

Contact Stibo Systems Support to set the related configuration property.

■ **ISSUE-469063 - Web UI Keycloak SSO fix**

Previously, Web UI would show a timeout response from a Keycloak SSO service as an error message instead of redirecting to a login page. This has been fixed, and hotfixes are available for step-10.1-mp3 and step-10.1-mp4.

■ **ISSUE-469169 - Fix for visible forgot password option**

Fixed 'Forgot password' functionality visibility when LDAP is enabled.

■ **ISSUE-469195 - Swap User fix for IIEP Execution Report**

Previously, when a Web UI user started the background process (BGP) on an inbound integration endpoint via the Web UI File Loading Widget, the Swap User option was not shown in the IIEP

Execution Report in the workbench. This has been corrected, and a hotfix is available for step-10.1-mp4.

■ **ISSUE-469742 - Action selection fix**

Previously, the Submit from Grid and Export actions were not enabled when the user navigated back to the Node List with the existing selection from the Node Details screen. This has been fixed, and a hotfix is available for step-10.1-mp4.

■ **ISSUE-469802 - Drag and drop fix for Mac OS**

Previously, there was an issue in workbench when using Print Flatplanner's 'drag and drop' feature when on a Mac. This has been fixed.

■ **ISSUE-469993 - Asset processor fix**

Fixed an issue where the asset processor was trying to set a value after the asset was deleted. Hotfixes are available for step-10.1-mp2, step-10.1-mp3 and step-10.1-mp4.

■ **ISSUE-471656 - Smartsheet unit validation fix**

Fixed an issue with unit validation on Smartsheet. Hotfixes are available for step-10.1-mp3 and step-10.1-mp4.

■ **ISSUE-472252 - NPE fix for Approved Workspace search**

Fixed a NullPointerException that occurred when 'Refresh collection before each run' was selected on the Approved Workspace search. A hotfix is also available for step-10.1-mp4.

■ **ISSUE-473006 - Table header resize fix on Multi Edit Display Mode**

Fixed an issue on the Web UI Multi Edit Display Mode where the table header did not resize the respected items beyond the first page when configured as a page size. A hotfix is available for step-10.1-mp4.

■ **ISSUE-473194 - Styling fix for Smartsheet template error file**

Previously, the error file generated after importing a Smartsheet template had incorrect styling when the original Smartsheet template had products both with and without validation errors. The styling of the error file has been fixed, and a hotfix is available for step-10.1-mp4.

■ **ISSUE-473372 - Asset Thumbnail fix**

Previously, the details screen would throw an exception and load improperly when the Asset Thumbnail component attempted to display asset content. This has been fixed, and hotfixes are available for step-10.1-mp4 and step-10.2-mp1.

■ **ISSUE-473807 - eCatalog export effective date fix**

Support has been added for date & time with the client's time zone information for the export configuration effective date for eCatalog. A hotfix is available for step-10.1-mp4.

■ **ISSUE-473820 - Truncate lock name property**

Introduced the possibility to generate shorter lock names during Match and Merge when identifying possible duplicated constraints. This possibility will resolve the DBMS_LOCK_ALLOCATD issue that occurred when a lock name exceeds 128 characters (typically occurs when Source Record ID is long). To enable this property, contact Stibo Systems Support. Hotfixes are available for step-10.1-mp3 and step-10.1-mp4.

■ **ISSUE-473824 - Transformation fix for empty units**

Fixed problem with the 'Move Units to Header' transformation when the units were empty. A hotfix is available for step-10.1-mp4.

■ **E-474627 - Reference value fix in Web UI**

Multi-valued attribute values can now be edited on the References component in Web UI. Hotfixes are available for step-10.1-mp3 and step-10.1-mp4.

■ **ISSUE-476016 - Collapse Search Canvas fix**

Previously, the Collapse Search Canvas parameter did not work on the Advanced Search Screen after the user performed a search. This has been fixed, and a hotfix is available for step-10.1-mp4.

■ **ISSUE-477072 - Match and Merge matching algorithm fix**

Fixed an issue that occurred when the Match and Merge matching algorithm incorrectly merged Multi Value LOVs with IDs if the LOV contained duplicated values with different IDs.

Hotfixes are available for step-10.1-mp3, 10.1-mp4, and step-10.2-mp1.

■ **ISSUE-477352 - 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.

■ **ISSUE-478001 - NPE fix for a merged golden record**

Fixed a NullPointerException (NPE) that occurred on Match and Merge when the component information for a cached merged golden record was empty. Hotfixes are available for step-10.1-mp3 and step-10.1-mp4.

■ **ISSUE-478026 - NPE fix on Initiate Item screen**

Fixed a NullPointerException (NPE) that occurred on the Initiate Item screen when a user modified a Rich Text value and attempted to save. A hotfix is available for step-10.1-mp4.

■ **ISSUE-478061 - Timestamp template format change**

A customer-specific solution has been implemented to the timestamp template format. A hotfix is available for step-10.2-mp1.

■ **ISSUE-480078 - DTP table fix**

Fixed an issue where assets in DTP tables were stripped when the page was duplicated.



PERFORMANCE ENHANCEMENTS

■ **ISSUE-475502 - Faster patching**

Work was done to speed up slow patching times. Hotfixes are available for step-10.0-mp3 - mp5, step-10.1-mp3 - 4, and step-10.2-mp1.



PATCH RECIPE

The 10.1-MP5 baseline patch can be installed with the following recipes:

```
spot --apply=to:step/platform/step-10.1-mp5.spr
```

—OR—

```
spot --upgrade=step:10.1*
```

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

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

Note: Customers may want to search Jira for their Maintenance Patch Issue Numbers. To do so, while in Jira, navigate to Issues (in the header bar) and then select 'Search for Issues.' Click on the 'Advanced' option on the filtering bar, and then type in 'issue=' and the Issue number from the Maintenance Patch

Notes. Press Enter or click the magnifying glass icon to run the query. **Users will only be able to view Jira tickets for Maintenance Patch Issue Numbers that they have privileges to access. If the issue is not applicable to the user searching, then a 'No issues were found to match your search' message will be displayed.**

10.1-MP6 Maintenance Patch Notes

December 10, 2021

BUGFIXES

■ 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.

PATCH RECIPE

The 10.1-MP6 baseline patch can be installed with the following recipes:

```
spot --apply=to:step/platform/step-10.1-mp6.spr
```

—OR—

```
spot --upgrade=step:10.1*
```

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

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

Note: Customers may want to search Jira for their Maintenance Patch Issue Numbers. To do so, while in Jira, navigate to Issues (in the header bar) and then select 'Search for Issues.' Click on the 'Advanced' option on the filtering bar, and then type in 'issue=' and the Issue number from the Maintenance Patch Notes. Press Enter or click the magnifying glass icon to run the query. **Users will only be able to view Jira tickets for Maintenance Patch Issue Numbers that they have privileges to access. If the issue is not applicable to the user searching, then a 'No issues were found to match your search' message will be displayed.**

10.1-MP7 Maintenance Patch Notes

February 14, 2023



BUGFIXES

■ ISSUE-412509 - Performance fix for Multi Reference component

There has been a performance improvement made for loading an item with more than 10,000 references and/or links on the Web UI Multi Reference component. A hotfix is available for step-10.2-mp2.

■ 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-451845 - Export privilege check

Previously, checks on privileges during export was optimized so the check was omitted on each single item if view privileges were granted on at least one of the six top groups (Product, Entity, Classification, PublicationGroup, CollectionGroup or SetupGroup).

This optimized check meant that some elements may have been exported even though privileges had not been granted. Now, the optimized check is only performed if the desired privileges are granted on all the top groups: Product, Entity, Classification, PublicationGroup and CollectionGroup.

■ ISSUE-454707 - Exception fix for contributor data

Previously, an exception was raised when parsing large chunks of contributor data from the database when importing via IIEP. This has been fixed.

■ ISSUE-457035 - Log level change for LOV ID lookup

The log level for the List Of Values ID lookup in Web UI has been changed so that it will not fill up the log scripts if the value by ID is not found.

■ ISSUE-457308 - Performance fix for Smartsheet

Previously, there was a performance issue when the user opened an exported Smartsheet template with several product sheets. This has been fixed, and hotfixes are available for step-10.0-mp3 and step-10.0-mp4.

■ **ISSUE-469559 - Fix for error on filtering Task List**

Fixed an error with column sorting in the Web UI Node List component. Previously, a combination of nodes could cause an error which prevented the list from being shown. A hotfix is applicable for step-10.1-mp4, step-10.1-mp5, and step-10.1-mp6.

■ **ISSUE-470356 - Columns Control Node List fix**

Now, the Node List toolbar width will properly display actions that are configured on one of the Node Lists under the Columns Control on a Web UI Node Editor.

■ **ISSUE-472155 - Kafka Receiver fix**

Fixed an issue that where the Kafka Receiver was reading messages from a topic where retention occurred before the messages were actually read. A hotfix is also available for this solution for STEP versions 10.1-mp1 to mp6.

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

Backported an existing fix to 10.1-mp4 through mp6 that makes context / workspace holder thread safe.

■ **ISSUE-473507 - Fix for translation management error-free files going to error subfolder upon import**

Fixed an issue occurring where import files with translations were moved to the error folder even if there were no errors during translation using those files. A step-10.3-mp4 and step-10.3-mp5 hotfix is also available for this solution.

■ **ISSUE-473672 - Impersonate User fix for Web UI login**

Fixed a sporadic exception that occurred when using impersonate user on the Web UI login page on a system with SSO enabled. A hotfix is available for step-10.2-mp1.

■ **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-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-489529 - Fix for IIEP keeping too many ended processes**

Introduced a property to allow removing more than 1,000 old BGPs for an endpoint. To set this property, contact Stibo Systems Support. There is a hotfix available for this solution that is applicable to step-10.1-MP4, MP5, and MP6.

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

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

■ **ISSUE-492298 - Fix for customer system crash**

Now, memory will not be consumed on trying to resolve lookup formulas that point to external resources in Excel Smartsheets during the Smartsheet import when a lookup formula destination is not accessible from the application server. There is a step-10.1-mp4 to mp6 hotfix also available for this solution.

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

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

■ **ISSUE-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 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-495555 - Solution to customer-specific issue of removing messages from business conditions**

Introduced a possibility to hide unnecessary messages from the Reference Other Business Condition on a Web UI Node Editor when submitting an item to another state. To toggle this property, contact Stibo Systems Support. There is also a hotfix for this solution for step-10.1-mp3 to mp6 and step-10.3-mp4.

■ **ISSUE-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-498254 - Fix for STEPXML export validation failure due to 40 character limit**

XSD validation of LOVValueIDs has been increased to 100 characters.

■ **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.

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

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

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

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

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

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

■ **ISSUE-508154 - Fix for IIEP JMS Receiver XSLT PreProcessor not executed in transaction mode strict**

Fixed problem with XSLT transformation not working when used together with JMS Receiver in IIEP.

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

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

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

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

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

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

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

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

■ **ISSUE-510789 - Auto refresh fix for Node List action**

When using 'Remove References' in a Node List, the list is now reloaded to show the new status. There is a hotfix available for this solution for STEP versions 10.1-mp1 to mp6.

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

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

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

For Cassandra or Oracle In-Memory systems where STEP forced load key and rankscore table into In-Memory, unique key values and match code values are now deleted when purging objects. Previously,

Cassandra-based systems would get an optimistic locking exception on the Recycle Bin. This has been fixed.

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

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

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

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

■ **ISSUE-512494 - Solution for error in Schedule Category Profiling**

Robustness fix for data profiler. Now, it will not crash if one of its sub tasks gets deleted. There is a hotfix for this solution that is applicable to step-10.1-mp4 to mp6.

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

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

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

Fixed a NullPointerException (NPE) that was thrown in the workbench Proof View Editor. Hotfixes are available for step-10.1-mp4 - mp6.

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

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

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

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

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

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

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

Fixed how the table free text is encoded when exported from the workbench. A hotfix for this solution is available for step-10.1-mp4 through mp6.

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

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

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

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

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

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

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

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

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

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

■ **ISSUE-523379 - Corrected issue causing an Oracle exception when running BGP's**

Fixed a problem occurring due to an Oracle constraint being broken when executing background processes. A hotfix for step-10.2-mp3 is also available for this issue.

■ **ISSUE-523469 - Invalid import configuration research for customer-specific issue**

Introduced additional logging to Data Import component in Web UI to help investigating the problem with uploaded file path. There is a hotfix for this issue that is applicable to step-10.1-mp4 to mp6.

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

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

■ **ISSUE-524796 - Fixed Excel export bug**

Fixed calculation of filename extension for referenced assets in Excel export so that the original extension is used for assets that do not pass through an image conversion pipeline.

■ **ISSUE-525085 - Fixed problem with the MoveUnitsToHeader rule**

Fixed problem occurring when an empty attribute value was treated as a distinct unit when checking whether to show a unit in a Table header in Move Unit to Header Table Transformation. There is also a hotfix for this solution that is applicable to step-10.1-mp4 to mp6 baselines.

■ **ISSUE-525764 - Fix for multi-level reference info not being exported for BMEcat exports**

A fix was made to enable the export mapping option 'Multi level references' to handle qualified values. There is a hotfix for this solution that is applicable to step-10.1-mp4 to mp6.

■ **ISSUE-526915 - Fix for HAProxy load balancing unevenly across a cluster**

Workbench and DTP traffic was not correctly load balanced and would nearly always go to the first server in the server list. This has been fixed, and a hotfix is also available (for step-10.1-mp4 to mp6).

■ **ISSUE-526941 - Fix for approved assetpush configurations not added to exports**

A customer-specific solution was introduced to decide if the Workspace should be ignored when AssetPushLocation items are exported.

■ **ISSUE-527318 - Solution for changing metadata reference values not being promoted to golden record**

Now, the Trusted Source Reference Multi Context Survivorship Rule will correctly promote reference metadata values from source record to existing golden record, if a reference already exists. There is a hotfix for this solution that is applicable to step-10.1-mp3 to mp6.

■ **ISSUE-527816 - Fix for data inconsistency error when publications are deleted**

Additional checks have been added to the remove orphan publication nodes option ('Clean orphan publication data'). There is a hotfix for this solution that is applicable to step-10.1-mp4.

■ **ISSUE-527982 - Fix for asset format getting changed in published environment**

When using STEPXML to export and import assets, the filename was lost. It was therefore not possible to set the asset mime type based on the filename extension when importing from STEPXML. This has been fixed, and a hotfix for step-10.2-mp3 is also available.

■ **ISSUE-529998 - Fix for double page references in PDF**

Fixed problem in DAP Parser where node on pages was returning invalid page numbers. A hotfix for this solution is available for step-10.1-mp3 to mp6.

■ **ISSUE-530171 - Fix for changed flag not propagating in STEPXML on LOV-based reference meta data**

Cross-context delta exports now handle LOV deletions on meta data on associations correctly. Previously, it sometimes interpreted deletions as additions, in which case they were not marked as missing.

■ **ISSUE-530865 - Fix for error being thrown when submitting publication section objects out of a workflow state**

Fixed ClassCastException during the Submit From Grid of publication section on Web UI Task List screen. A hotfix for this solution is available for step-10.1-mp4 through mp6.

■ **ISSUE-533662 - Fix for error given when copying an empty LOV cell value into a Smartsheet**

Fixed a problem making it impossible to paste an empty value in an LOV cell in Excel Smartsheet to clean up the current value.

■ **ISSUE-533725 - Fix for NPE occurring while Importing an XML file**

Fixed NullPointerException in STEP importer that was related to the handling of ObjectConstraintException (invalid Object Type, an invalid attempt to change the object type, etc.).

■ **ISSUE-533767 - Fix for Smartsheet import error**

Fixed NullPointerException during Smartsheet import when importing Working column with Numeric cell type.

■ **ISSUE-534771 - Fix for Asset Download looping while loading asset content**

When uploading new Asset content, STEP would notify Event Listeners ignoring some Event Triggering Definitions. This has been corrected. Now, Event Triggering Definitions will be taken into account when uploading new Asset content.

■ **ISSUE-535492 - Solution for Kafka Receiver only taking a small amount of events**

A MaxPartitionFetch property (Kafka.Receiver..MaxPartitionFetch=) was added for the Kafka Receiver Plugin so the default value can be overwritten.

■ **ISSUE-536484 - Fix for classification link type change leading to duplicated link type**

For Cassandra based STEP systems, fixed an issue where old versions of product to classification link types were shown in the workbench. Now, these old versions are gone. There is also a hotfix for this solution for STEP versions 10.1-mp4 to mp6.

■ **ISSUE-538976 - Fix for Search and Goto not finding Change Packages**

Fixed searching for change packages by adding the 'Change Package' value to the SQL retrieval query. This solution also has a hotfix available for step-10.1-mp4, mp5, and mp6 and one available for inmemory-7.0.55.

■ **ISSUE-541723 - Fix for Status Selector cutting column view**

Now, full State names on a Status Selector Widget in Web UI will be shown when there are Status Flags configured to be shown as well.

■ **ISSUE-543547 - Customer upgrade issue fix**

Fix for problem writing to the execution report for a background process.

■ **ISSUE-547024 - Fix for out-of-date macro security certificate on Smartsheets**

Updated Smartsheet macro certificate and protection.

■ **ISSUE-548026 - Fix for inaccessible system**

Now, an info message is logged to the application server log when the dimension dependency is changed on an attribute or LOV.

■ **ISSUE-548303 - Fix for BMEcat multilingual export for assets**

Fix in workbench for BMEcat export for multilingual assets when no language information is in the exported file. There is also a hotfix for this solution for STEP versions 10.1 (mp4, mp5, mp6), 10.3 (mp4), and 11.0 (mp2, mp3).

■ **ISSUE-548738 - Fix for inability to save contributor data**

Fixed NullPointerException occurring when creating a Contributor Data for Merged Golden Record while handling the metavalue for a not-created-yet reference during the Match and Merge process.

■ **ISSUE-549604 - Fix for unable to remove more than 100 subgroup links in Web UI**

Fix for a problem when running a bulk action to remove a link / reference in Web UI Node List on more than 100 items.

■ **ISSUE-552339 - Fix for conditions returning as 'false' if matcher uses condition threshold**

Fixed presentation of comparison between matcher result and matcher's threshold in the Match Criteria Evaluator's Match Reason column when rules contain conditions with a True / False comparator. There is also a hotfix applicable to step-10.2-mp3 through mp6 available for this solution.

■ **ISSUE-553074 - Fix for performance issue in business function after upgrade**

Performance optimization was done for business rules using JavaScript. The code used to restrict the JavaScript to call methods provided by the public API was not handling situations where the arguments were automatically cast to the correct type very efficiently. This solution is also available as a hotfix for step-10.1-mp2 through mp5, step-11.0, and step-11.0-mp1 through mp4.

■ **ISSUE-554260 - Fix for Java error showing when doing data profile updates**

If a data profile contained a number attribute with a unit, then the application log file may have contained severe messages about a NumberFormatException. These messages will no longer be written to the logs. This solution is also available via hotfix for step-10.1-mp3 through mp6.

■ **ISSUE-558314 - Fix for action buttons with 'enforce validity' setting used with grouping**

Fix for problems with Node Editor button validity when mandatory attribute value components are configured to be shown under the hidden Grouping Option component on Web UI Node Editor. Also a fix for a similar problem for mandatory values under the value section when configured under the hidden Grouping Option on Web UI Node Editor, which caused a button with Enforce validity to not be properly enabled. A hotfix is available for step-10.1-mp6, step-10.1-mp5, and step-10.1-mp4.

■ **ISSUE-559808 - Fix for long process time for one item price change**

Improved performance when pasting a huge amount of cells into an Excel Smartsheet. Note that subsequent editing after a huge paste operation may still perform slower, as Smartsheets need to detect the changed product IDs, and after a huge paste it will be a lookup through the amount of pasted cells. This solution is also available as a hotfix that is applicable to step-10.1-mp3 through mp6.

■ **ISSUE-561927 - Fix for Advanced STEPXML export not working for event-based outbound integration endpoint**

Now, a previously introduced configuration property for ignoring the Trade Terms effective date will only affect event-based exports. This solution is also available as a hotfix that is applicable to step-10.1-mp4 through mp6 and step-11.0-mp4.

■ **ISSUE-563488 - Fix for BMEcat multilingual export for assets**

Fix in workbench for BMEcat export for multilingual assets when no language information is in the exported file. There is also a hotfix for this solution for STEP versions 10.1 (mp4, mp5, mp6), 10.3 (mp4), and 11.0 (mp2, mp3).

■ **ISSUE-569033 - Fix for ClassCastException in pre-prod**

Fixed a ClassCastException in a Web UI BGP Notifications Panel caused by Data Container Objects reported in STEP URL format in one of the Background Processes. There is a hotfix for this solution that is also applicable to step-10.1-mp3 through mp6.

■ **ISSUE-569744 - Fix for manual sorting causing error on Task List**

Fixed IllegalArgumentException sporadically thrown on a Web UI Task List's filtering dialog. There is also a hotfix available for this solution that is applicable to step-10.1-mp4 through mp6 and step-11.0-mp4.

■ **ISSUE-570562 - Fix for reference and link privileges not reflecting in Smartsheets**

Now, references / links cells in exported Excel Smartsheets will be mark as read only if the user who exported a Smartsheet does not have privileges to edit these references / link types. There is a hotfix also available for this solution and is applicable to step-10.1-mp4 through mp6.

■ **ISSUE-576441 - Fix for Smartsheet Import issue with order of processing**

Now, Maintenance Smartsheet Validation & Import can function like Template Smartsheet, by allowing business conditions for the STEP XML hierarchy structure to evaluate on a child level before evaluating on the parent level.

Note that the online validation batches 25 products, which means that the property does not allow correctly validating more than 25 products. Contact Stibo Systems Support to implement this functionality via a new property.

A hotfix is available for step-10.1-mp4 - step-10.1-mp6.

■ **ISSUE-582827 - Fix for issue during Autopagination in Thailand context**

Additional logging available to diagnose problem with SpaceUsageParser throwing an exception. Issue ultimately fixed and closed.

■ **ISSUE-586035 - Fix for Packaging Hierarchy circular issue**

A Packaging Hierarchy Cycle Healthcheck is now available in Admin Portal to identify data issues. Additionally, a fix to prevent performance problems caused by packaging infinite loops has been implemented.

■ **ISSUE-586713 - Fix for Web UI giving Internal Server error for SaaS**

Fixed an unexpected exception related to division by zero when rendering the Data Container Table component on the Web UI Node Editor.

PERFORMANCE ENHANCEMENTS

■ ISSUE-488205 - Solution for long batch processing time

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

■ ISSUE-585456 - Fix for delay in processing event processor request

Improved performance when getting and setting Trade Terms in Oracle.

PATCH RECIPE

The 11.1-MP2 baseline patch can be installed with the following recipes:

```
spot --apply=to:step/platform/step-10.1-mp7.spr
```

— OR —

```
spot --upgrade=step:10.1*
```

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

Refer to the SPOT Program documentation for more information, including how to use the SPOT --upgrade command to also find compatible components that can be added at the same time as the baseline patch. SPOT Program information for on-premise systems can be found in the System Administration Guide within the Downloadable Documentation. For assistance, contact Stibo Systems Technical Services.

Note: Customers may want to search the Support Portal for their Maintenance Patch Issue Numbers. To do so, while in the Support Portal, navigate to Issues (in the header bar) and then select 'Search for Issues.' Click on the 'Advanced' option on the filtering bar, and then type in 'issue=' and the Issue number from the Maintenance Patch Notes. Press Enter or click the magnifying glass icon to run the query. **Users will only be able to view Support Portal issues for Maintenance Patch Issue Numbers that they have privileges to access. If the issue is not applicable to the user searching, then a 'No issues were found to match your search' message will be displayed.**

Product MDM for Automotive 10.1 - 7.0.33 Patch Notes

Release Date: February 4, 2021

There is no new functionality or bugfixes included with this release. The 10.1 - 7.0.33 installation recipe makes the automotive component compatible with the released core code for STEP 10.1 MP1.

The automotive baseline update can be installed with the following recipe (and must be installed with the core 10.1 MP1 recipe):

```
to:automotive/7.0/automotive-7.0.33.spr
```

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



ANNOUNCEMENT

■ Updates in the Auto Care Brand import file

Starting with February's Auto Care Brand import file, Auto Care has announced that the BrandOwnerID will be changed to match ParentID.

When the BrandOwnerID changes, importing the new file creates many new Brand Owner objects in the system with the existing Brand objects moved to the latest Brand Owner objects. This action leaves the old Brand Owner objects empty in the system.

Existing Implementations must do the following to delete the old Brand Owner objects:

1. Before importing February's Auto Care Brand import file, the system must be configured to handle the deleted flag for the Brand Owner object type. The attribute that holds the deletion information must be made valid for Brand Owner object type and specified in the 'Delete status attribute' parameter of the AutoCare Brand importer's Delta Calculate workflow state. When the AutoCare Brand importer determines that the Brand Owner object should be deleted, it writes 'true' in the attribute. For more information about setting the Delete Status attribute in AutoCare Brand Import Workflow, refer to **5. Update Delete Status Attribute and Delta Calculation Method in Import Workflows** topic.
2. After importing the new Brand file, search and delete the old Brand Owner objects that are marked for deletion through a bulk update.

Product MDM for Automotive 10.1 - 7.0.34 Patch Notes

Release Date: March 4, 2021



NEW FEATURES

- **Updated the Part Type Search Box in the Application Manager Screen to be able to search for attribute values on Part Type**

Currently, users can search for a Part Type name in the Part Type search box typeahead. For example, Spark Plug. Now, a new parameter called **Additional Search Attribute** has been added in the Part Type Search Box Properties designer screen that allows users to configure an attribute that can be used to search for Part Types based on an attribute value that is stored on the Part Type. All attribute validation base types (e.g., Text, Number, List Of Values) are allowed to be configured in this parameter. The selected attribute must be valid for the Part Type object type, and the attribute value must be populated on the Part Type for it to display correctly in the typeahead search field. For example, the ID for 'Spark Plug' Part Type in Auto Care standard is '7212.' The '7212' value must be populated in an attribute on the Spark Plug classification object, then users would be able to search for '7212' ID within the Application Manager for a Part Type.

In addition, the 'Configure TecDoc Web UI' step of TecDoc Easy Setup action has been updated to set the Generic Article Number (ID = TD_ATTR_GenArtNr) attribute as the pre-configured attribute in the Additional Search Attribute parameter of the TecDoc Application Manager.

For more information about this Part Type Search Box component, refer to **Configuring Part Type Search Box** topic within the **Automotive Reference Guide**.

Part Type Search Box Properties

Component Description: Allows users to add one or more part type criteria to the Application Manager search criteria.

Additional Search Attribute:

Label:

Root Nodes:

Use Root Nodes In Typeahead:

- **Clicking on the Part or Vehicle link listed on the Application Manager result table will navigate to a new tab in the browser**

Holding the Ctrl key and clicking on a Part or Vehicle link listed in the Application Manager result table will open the configured Web UI screen in a new tab of the browser. Previously, clicking on these links listed in the Application Manager results table would open the screen on the same tab of the browser.

- **New parameter in the Application Manager that filters the application records based on the part's object type**

A new parameter called Part Object Types is added to the Vehicle Type Search Panel Properties designer screen that allows adding one or more part object types to be used for filtering application records. Adding a part object type ensures that the Application Manager results table will only display the application records belonging to the parts of the listed object type.

Vehicle Type Search Panel Properties [go to parent](#)

Application Object Types

Add... Remove Up Down

Search Box Types

Add... Edit... Remove Up Down

Vehicle Type Icon

Name

Part Object Types

Add... Remove Up Down

Root Nodes

Add... Remove Up Down

UUID

Use Default Application Editor

Vehicle Object Types

Add... Remove Up Down

■ New Business Condition that reduces the need for user interaction while importing a file

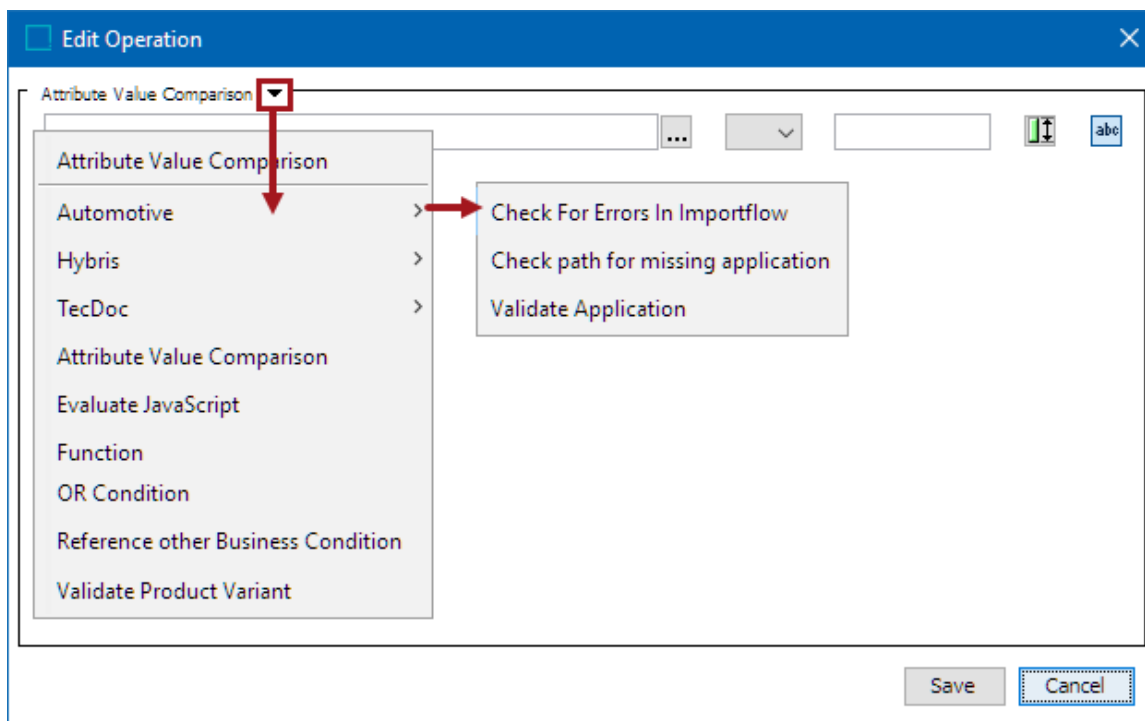
When a file has successfully completed validation, conversion, and delta calculation, the controller object is available in the Ready for Import state, where the user must decide whether to import or reject the file. It is also possible for files to have warnings and/or errors and be landed in the Ready for Import state.

In order for an import to start automatically, a business action has been added to the **Ready for Import** state using the **Trigger STEP Workflow Event** business action. Also, a new business condition operation (**Check For Errors In Importflow**) is added to the "Applies if" tab to check that the business action is running on an ImportFlowController entity.

For new implementations, running Easy Setup will create and configure the business action and condition in the Ready for Import state.

Existing implementations should configure these operations manually in the 'Ready for Import' state for each of the import workflows:

1. Access the State Editor of the Ready for Import state and create a condition using the new 'Check For Errors In Importflow' business condition operation. The condition must be created in the 'Applies if' tab of the On Entry tab. This serves as a precondition for applying an action.



2. In the **On Entry** tab > **Operations** tab, create a new business action using the **Trigger STEP Workflow Event** operation. Select the STEP workflow that is the importing workflow. The Current State should be "Ready for Import." The Event should be "Start import."

For more information about these business action and business condition, refer to **Ready for Import State** topic within the **Automotive Reference Guide**.

■ **Updated TecDoc Reference Import to include Generic Article number along with the name for Generic Articles**

Previously, if there were multiple TecDoc Generic Articles with identical names, there was not a way to distinguish the difference between the objects. The TecDoc Reference Import has been updated to

include the Generic Article number along with the Generic Article name to differentiate this.

Updated TecDoc Supplier Import to include Generic Article number along with the name for Supplier GA folder objects

Previously, if there were multiple TecDoc Supplier Generic Article (GA) folders with identical names, there was not a way to distinguish the difference between the objects. The TecDoc Supplier Import has been updated to include the Generic Article number along with the Supplier GA name to differentiate this.

Improvements to the Search by Card Screen

The following changes / improvements have been implemented to the Search by Card Screen:

- A new parameter called 'Show Title' has been added in the Search by Card Properties designer screen. This parameter allows admins to determine whether the Search by Card Screen title

should be visible or hidden on the screen.

- A new option has been added to collapse the search canvas within the Search by Card Screen. This provides more screen space to focus on the search result items.

Search Screer

Classification	Country (4)	Integer Multi Valued	Date
Enter Classification	Enter Country (4)	Enter Integer Multi Valued	Enter Date

Name	ID	Object Type	Date	Text	Number

■ Changes in Easy Setup for Automotive - Application Model and Automotive - TecDoc Model

Easy Setup for Automotive - TecDoc Model has been updated to set TD_DS_OENumber and TD_DS_SupplierCompetitorNumber object types to be valid as a source on the TD_SupplierArticleToGenericArticle link type. Further, the Easy Setup for Automotive - Application Model has been updated to add the TD_DS_OENumber and TD_DS_SupplierCompetitorNumber object types to the 'Dummy types that have part type link' aspect.

■ Added a solution that can filter Generic Articles based on suppliers

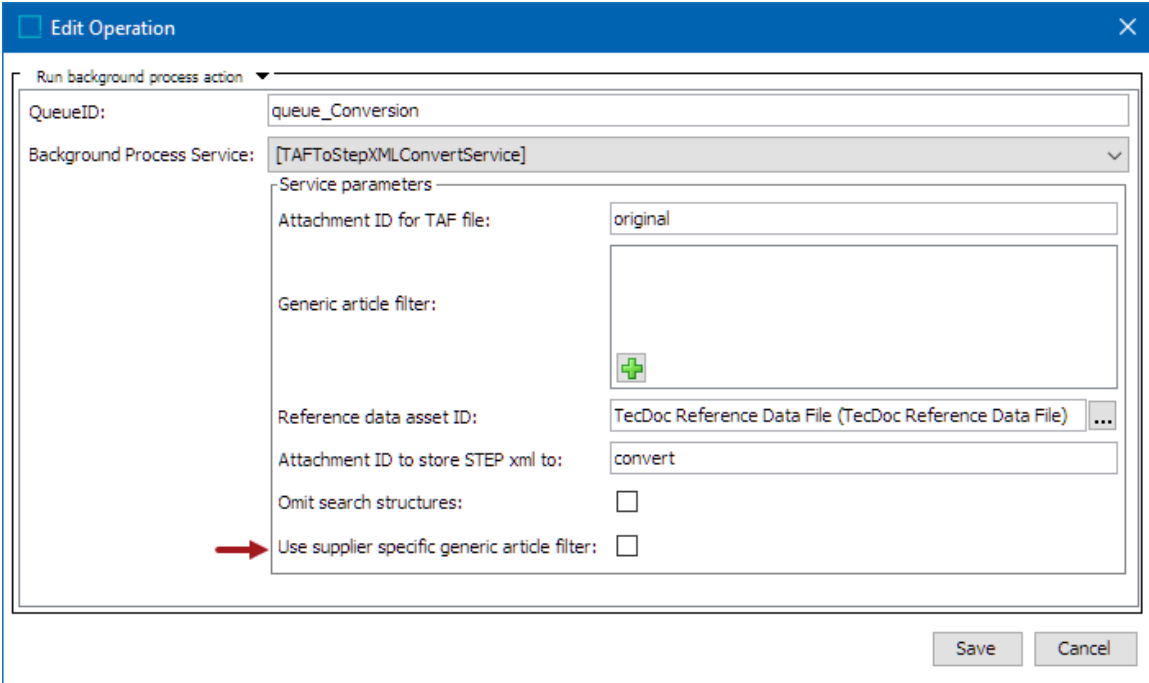
Previously, the 'Generic article filter' parameter in the TecDoc Supplier Import Conversion state was filtering out the Generic Articles irrespective of the suppliers. Users had to access the Conversion state each time there were different filtering criteria for different suppliers. Now, users can define the filtering of the Generic Articles at the Supplier Brand hierarchy level. As a solution, the following has been implemented:

- TecDoc Easy Setup has been updated to create a classification reference type called 'Supplier GA Filter' (ID = TD_Supplier_GA_Filter) that references the Supplier Brand object (TD_DS_SupplierBrand) to Standard Assembly GA (ID = TD_StandardAssemblyGA) and Universal Assembly GA (ID = TD_UniversalAssemblyGA) objects.

Note: Users must manually establish a reference from the Supplier Brand product object to the relevant Generic Articles classification folders prior to importing the supplier file.

- A new parameter called 'Use supplier specific generic article filter' has been added in the TecDoc Supplier Import Conversion state that does the following:

- When the parameter is selected, the conversion service looks up for the Supplier Brand in the system that is being imported and follows the reference ('Supplier GA Filter') to find Generic Articles to set the filter. Only the referenced Generic Articles will be included for importing.
- If the supplier root does not exist in the system or there are no referenced Generic Articles for the Supplier Brand in the system, then the importer will consider the Generic Articles set in the 'Generic article filter' parameter to continue the import process.



■ The Supplier GA folder objects will hereafter be language dependent

All the objects that hold the 'DS_Supplier GA folder' object type will hereafter be created as language dependent objects in the system. Previously, the Generic Articles referenced to the Supplier GA folder objects were dimension dependent and supported translation functionality for different contexts. But, the corresponding referenced Supplier GA folder was not Language dependent and had no support for the translation process. Now, Easy Setup for the TecDoc standard has been updated that defines the 'DS_Supplier GA folder' object type as language dependent.

 BUGFIXES

All Standards

■ Fixed error when Onboarding Mappings Details Screen is loaded in the designer and Application Mappings Screen mapping plugin is present or added

Previously, when the Onboarding Mappings Details Screen is loaded in the designer, and the Application Mappings Screen mapping plugin is present or added, it displayed the screen as invalid.

This issue is now corrected.

■ **Updated the description text of the Attribute Filters parameter in the Search by Card Screen**

Previously, the description text of the Attribute Filters parameter was wrongly defined as 'Allows users to define attributes and their values. The search result will exclude the object(s) that matches the defined attributes that are listed in this parameter.' Now, the description text has been rephrased to be read as 'Allows users to define attributes and their values. The search result will include the object(s) that matches the defined attributes that are listed in this parameter.'

■ **Updated Mapping Guide window in all the Mapping plugins to align and readjust to the browser size**

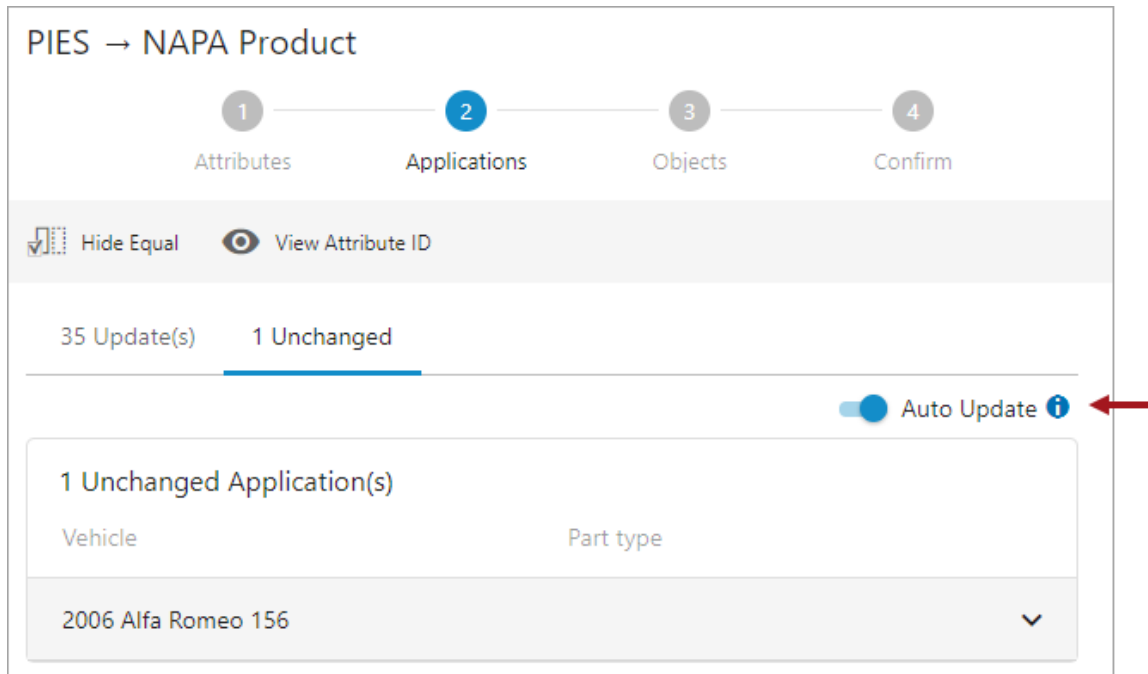
For better visual display, the Mapping Guide window in all the Mapping plugins has been updated so that all the Mapping Guide windows should automatically readjust to the browser size, or a vertical and horizontal scroll bar is added so that they do not overlap one another.

■ **Corrected Application Mapping plugin to correctly display attributes / references / transformations when adding a new Application Mapping plugin**

Previously, when the user added a new Application Mapping plugin in a Mapper Configuration, the Source, Target, and Transformations tab in the Mapping Guide window did not display any attributes / references / transformations. However, these tabs showed the correct attributes / references / transformations when the user saved the Mapper Configuration and reopened the Mapping Guide window of the same Application Mapping plugin. This issue has been corrected so that the attributes / references / transformations are displayed in the Source, Target, and the Transformations tab when the user creates a new Application Mapping plugin.

■ **Corrected the Applications stage in the Onboarding Comparison Screen to display Auto Update switch in the Unchanged tab**

Previously, the Applications stage of the Onboarding Comparison Screen displayed the Auto Update switch only in the Update(s) tab. Now, the Unchanged tab too will have the Auto Update switch.



■ Fixed an Unexpected error generated in the Application Manager Screen

Previously, an Unexpected error was generated in the Application Manager Screen when the Default Option parameter in the Part Search Box component was left empty. This has been corrected so that leaving the Default Option parameter empty will no longer throw an error while accessing the Application Manager Screen.

■ Corrected an issue with the Automatic Mapping plugin

Previously, the Automatic Mapping plugin did not onboard the data if the Target object attribute was an empty specification attribute. Now, this issue has been resolved.

■ Fixed Unexpected error generated in the Onboarding Comparison Screen

Previously, an Unexpected error was generated in the Onboarding Comparison Screen when the 'Children of Type Mapping' plugin had to be loaded for any source object. This has been corrected so that the 'Children of Type Mapping' plugin can be loaded in the Onboarding Comparison Screen.

■ Corrected an issue with the conversion of Stack Panel to Global Navigation Panel

Previously, the report generated in the Web UI Component Report had issues in converting the Stack Panel to Global Navigation Panel that had the 'Onboarding Mappings navigator' component in it. This issue has now been resolved so that the conversion process happens even if there is an 'Onboarding Mappings navigator' component present in the Stack Panel.

■ **Improved the efficacy of the Application Country Handling Table Header and Reference Country Handling Table Header components**

Previously, Application Country Handling Table Header and Reference Country Handling Table Headers displayed all of the Country Inclusion / Exclusion lists within its cell. Now, these table header components have been updated to display an empty cell when all countries are excluded, and display 'All' when all countries are included.

■ **Updated Attribute Search Box dropdown in Application Manager Screen to display attributes in alphabetical order**

Previously, the attribute option dropdown located in the top right corner of the Attribute Search Box was not displaying the attributes in alphabetical order. Now, this has been changed so that the attributes are always displayed in alphabetical order when a user clicks on the dropdown.

■ **Updated Part Search Box dropdown in Application Manager Screen to display attributes in alphabetical order after the Part Name / ID option**

Previously, the Part ID / Name / attribute option dropdown located in the top right corner of the Part Search Box was not displaying the attributes in alphabetical order. Now, this has been changed so that the attributes are always displayed in alphabetical order when a user clicks on the dropdown. Further, if there is any value in the Default Option parameter (available in the designer mode), then that option will be listed first in the dropdown.

■ **Updated Automatic Mapping plugin and Children of Type Mapping plugin to support onboarding of orphan attributes**

Previously, there existed some issue in onboarding the orphan attribute values using the Automatic Mapping plugin and Children of Type Mapping plugin. Now, the Children of Type Mapping plugin supports the onboarding of orphan attributes by default. Further, a new parameter called 'Ignore Attribute Links on Target' has been added within the Mappings tab of the Automatic Mapping plugin that determines whether to include or exclude the orphan attributes for onboarding.

■ **Improvements to the Compressed View in the Application Manager results table**

The Compressed View has been improved to compress every cell's values so that it will be displayed as a single line of information in the Application Manager results table. Any overflow of the texts will be displayed with three dots in the text line.

■ **Corrected an issue with the Application Suggestion solution that related to the handling of calculated attributes**

Previously, a unique use case of adding a suggested application to the current part threw an error if that involved a calculated attribute valid for the part but not for the application record. This issue has been resolved.

Hotfix recipe compatible with STEP 10.0 MP3 + Automotive-7.0.31: [to:hotfix/431/issue-431727-HOTFIX-4521.spr](https://github.com/STIBO-SYSTEMS/STIBO-STEP-10.0-MP3-7.0.31-hotfix-431-4521)

Hotfix recipe compatible with STEP 10.0 MP4 + Automotive-7.0.31: `to:hotfix/431/issue-431727-HOTFIX-4521.spr`

Auto Care

■ Updated AutoCare Easy Setup to remove Note Type from Application Comment table header component

AutoCare Easy Setup has been updated to do the following:

- Remove 'Note Type' Reference Metadata Value Header from Application Comment table header component in Auto Care Web UI.
- Create a new attribute below attribute group ID = AC_ACESAttributes:
 - ID = AC_NoteTypeCalculated
 - Name = Note Type Calculated
 - Type = Description
 - Calculated = Yes
 - Value template = `iterate(referencetarget(), 'value("AC_ACESNoteType"))`
 - Validation Base Type = Text
 - Valid for Product Reference Type = AC_ACESApplicationToApplicationNote
- Add the new AC_NoteTypeCalculated as a Reference Metadata Value Header in the Application Comment table header component.



PATCH RECIPE

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

`to:automotive/7.0/automotive-7.0.34.spr`

The above recipe is compatible with the following STEP 10.1 MP2 baseline recipe:

`to:step/platform/step-10.1-mp2.spr`

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

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

Product MDM for Automotive 10.1 - 7.0.35 Patch Notes

Release Date: April 1, 2021



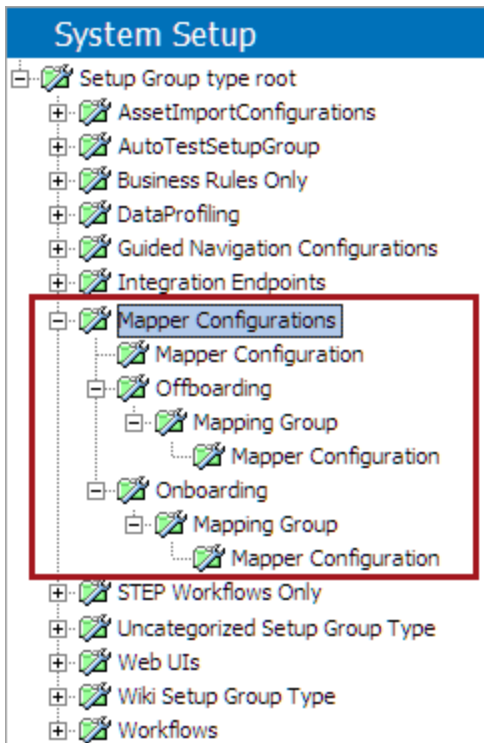
NEW FEATURES

■ Added Mapping Configuration object types and Setup Groups with Easy Setup

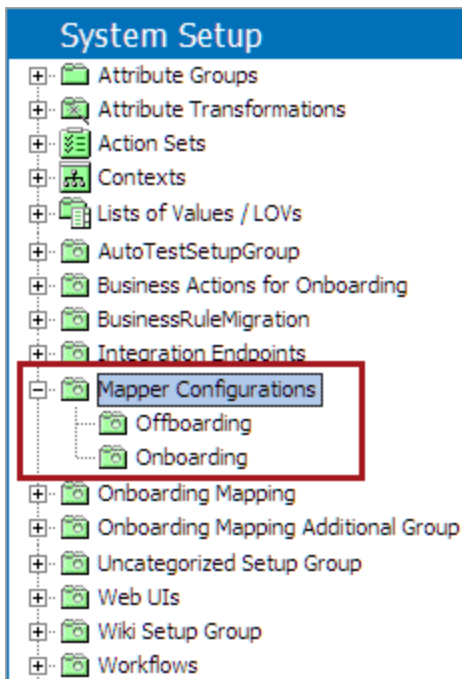
Previously, to create mapping configurations, it was required to make a few one-time configurations in the system. Now, to make it easier, these configurations will be created by Easy Setup.

Easy Setup has been updated to create the following root object types:

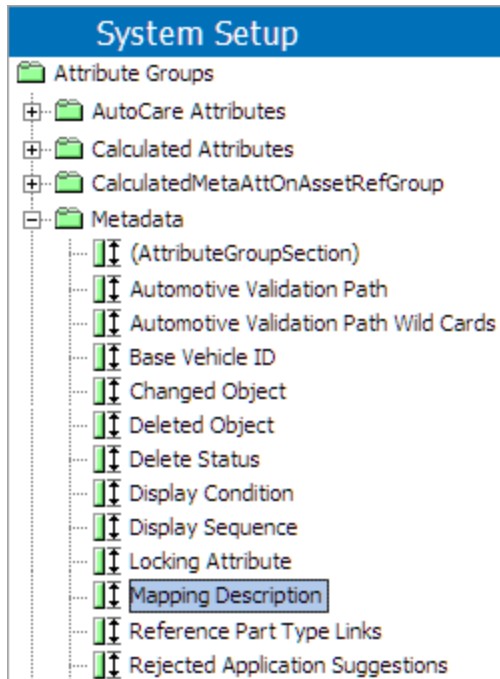
1. Within the System Setup tab > Object Types & Structures > Setup Group type root > a setup group object type called 'Mapper Configurations' (ID = MapperConfigurations) will be created with the following object types linked as the child (shown in the picture below)
 - Mapper Configuration (ID = MapperConfiguration)
 - Offboarding (ID = Offboarding)
 - Mapping Group (ID = MappingGroup)
 - Mapper Configuration (ID = MapperConfiguration)
 - Onboarding (ID = Offboarding)
 - Mapping Group (ID = MappingGroup)
 - Mapper Configuration (ID = MapperConfiguration)



2. Within the System Setup tab, a new Setup Group Root called Mapper Configurations (ID = Mapper Configurations) with the following object types linked as the child (shown in the picture below)
 - Offboarding (ID = Offboarding)
 - Onboarding (ID = Onboarding)



3. A new attribute called Mapping Description (ID = MappingDescription) is created under the 'Metadata' group and has been made valid for the Mapper Configuration object type



Note: These configurations will be created just once when Easy Setup is run for the first time for a TecDoc, AutoCare, or NAPA model. For example, if a user runs Easy Setup first for the TecDoc model and then runs Easy Setup for AutoCare model, then AutoCare Easy Setup will not have any changes for these configurations.

BUGFIXES

All Standards

■ Updated the description texts of some Mapping Plugins

Some of the Mapping Plugin descriptions have been improved for a better understanding. The following plugins are updated:

- Application Mappings Screen
This plugin will create applications from the source object in the target object.
- Attribute Mappings Screen
This plugin will map values from attributes on source object to attributes on target object.
- Automatic Mapping Screen

This plugin will automatically identify shared attributes and references between the source and target objects and will move the attribute values and references from the source over to the target.

- Business Action Mapping Screen

This plugin will execute a Business Action on the target object with a source object bind.

- Children of Type Screen

This plugin allows for an automatic onboarding of children objects. It requires that the child object type is also valid as child for the target object. When executed, the mapper will copy the children from the source part to the target part including all attributes and references.

- Concatenator Mapping Screen

This plugin allows the user to combine multiple source values into a single target attribute while applying different pre, separator, and post texts.

- Object to Object Mapping Screen

This plugin will copy data located on referenced / child objects from the source object into referenced / child objects of the target object. This plugin can also create new objects on the target object based on data derived from the source object.

- **Corrected an issue with the Application Condition Header - Individual table header component**

Previously, an error was displayed when users tried to change a value for engine base in the Application Condition Header - Individual table header component configured in the Application Manager Screen. Now, this issue is resolved.

- **Improved the validation error messages displayed while importing / exporting the PIES file to be more human-readable**

Previously, if there were XSD validation errors when importing / exporting the PIES file, the system would display errors that were not user-friendly in the logs. Now, the way error messages are communicated to the user has been updated to enhance clarity, consistency, and relevance. The error messages will be more informational and instructive about the cause of the error.

For the error messages to be translated, the following config properties are to be added in the sharedconfig.properties file:

```
Importflow.ValidationMessageTranslation.Enabled=true
```

```
Importflow.ValidationMessageTranslation.GroupSameProblems=true
```

Auto Care

■ Updates to the Value Editor dialog of the Application Qualifier component

The following changes have been implemented to the Value Editor dialog of the Application Qualifier component:

- If a qualifier has a parameter in it, any values typed in the parameter field will instantly be displayed in the qualifier text shown in the left column. Clicking on the OK button will save the changes. Previously, the user had to click on the 'Override Qualifier' button to save the changes.

Value editor - 1 item selected

<ul style="list-style-type: none"> 5574 - Install Identical to OE 5591 - Installation Tool Included 5754 - Kit Contains 8 Inner & 6 Outer Boot Kit <p>Add Qualifier...</p>	<p>Qualifier Template</p> <p>5754 - Kit Contains [[P1]] Inner & [[P2]] Outer Boot Kit</p> <p>Override Qualifier...</p> <p>P1 [num] <input type="text" value="8"/></p> <p>P2 [num] <input type="text" value="6"/></p> <p>Cancel <input type="button" value="OK"/></p>
--	--

- Clicking on the 'Override Qualifier' button will now open the 'Override Qualifier' dialog. Any text entered in the dialog will override the existing qualifier text (not the template).

Value editor - 1 item selected

<ul style="list-style-type: none"> 5574 - Install Identical to OE 5591 - Installation Tool Included 5754 - Kit Contains 8 Inner & 6 Outer Boot Kit <p>Add Qualifier...</p>	<p>Qualifier Template</p> <p>5754 - Kit Contains [[P1]] Inner & [[P2]] Outer Boot Kit</p> <p>Override Qualifier...</p> <p>P1 [num] <input type="text" value="8"/></p> <p>P2 [num] <input type="text" value="6"/></p>
--	--

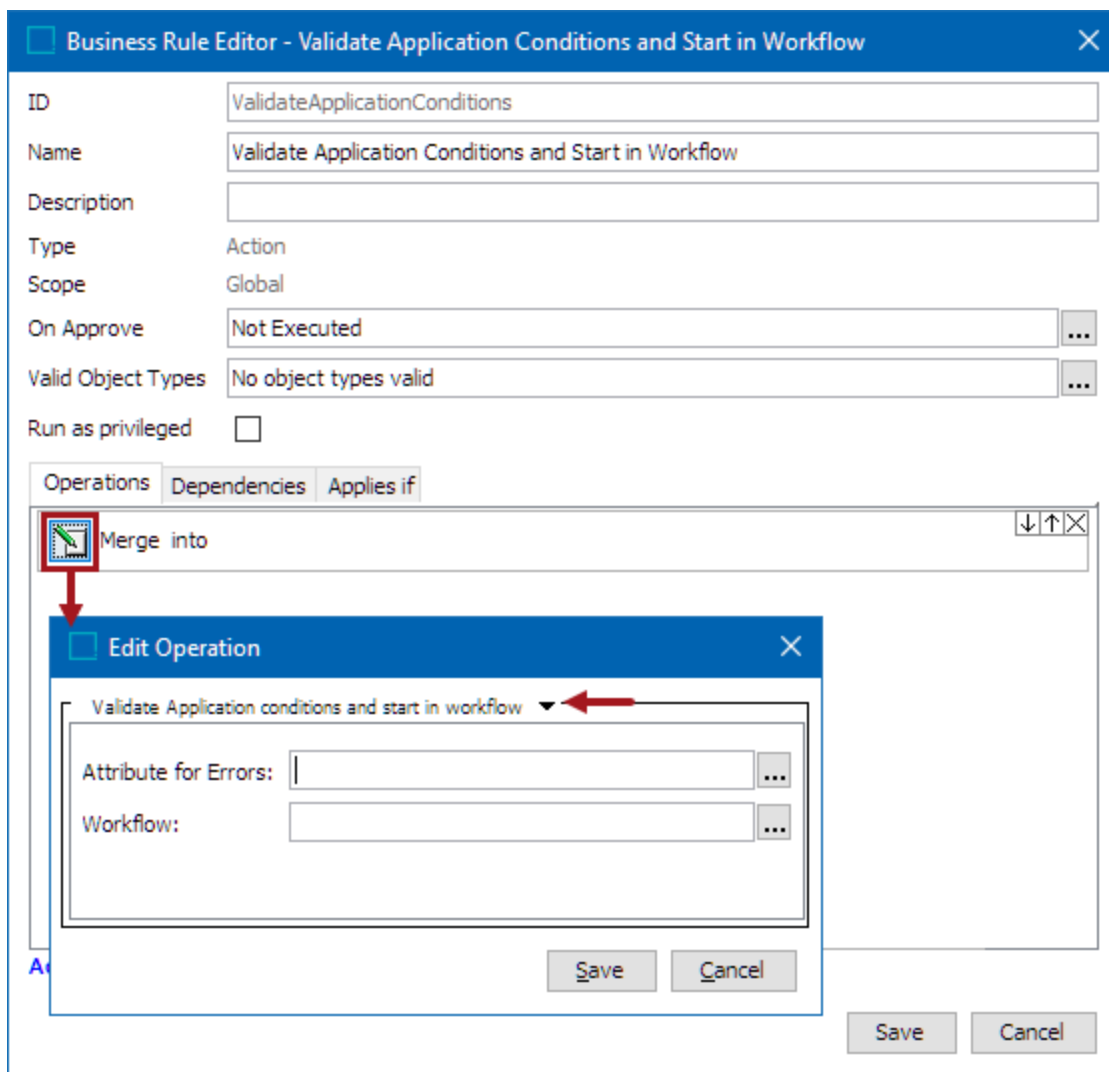
Override Qualifier

Cancel

- The Application Coverage Report from the Application Manager Screen will have the data from Qualifier Text with a ';' multi-separator. Further, the qualifier ID will also be present in the report within the 'Qualifiers IDs' column.
- Users should run step 1 of AutoCare Easy Setup to create a new **Qdb Parameter Text Format** (ID = AC_QdbParameterTextFormat) attribute that is used to store the sequence of parameters within a Qualifier. If this attribute is not created in the system, then it will cause an error within the Application Manager Screen if a Qualifier reference is added.

■ **Fixed problem with validations of ACES applications then stored with year ranges**

Previously, the valid application using the year range linked to a Model was getting initiated into the Invalid application workflow (configured within the 'Workflow' parameter of the 'Validate Application conditions and start in workflow' operation). Now, the ACES importer and 'Validate Application conditions and start in workflow' business rule operation have been corrected to no longer initiate such applications into the Invalid application workflow.



■ Updated the Application Coverage Report to include qualifiers and application comments

The Application Coverage Report from the Application Manager Screen has been updated to include qualifiers and application comments in its report. The following changes have been implemented to facilitate the report generation:

- The qualifiers data will be retrieved from the ACES Application Qualifiers table header component and will be displayed under the 'Qualifiers' column and 'Qualifiers IDs' column of the generated report. While the 'Qualifiers' column will have the data from Qualifier Text with a ';' multi-separator, the 'Qualifiers IDs' will have the ID of the qualifier.
- The application comments will be retrieved from the Application Comment table header component. The column name of the application comments in the generated report will be determined by the new parameter 'Attribute for Report Header' available in the Application Comment Properties designer screen (as shown below). If an attribute is defined for this parameter (for example, AC_ACESNoteType), then the values of this attribute will be used as the column header, and Notes with the same Note Type will be grouped within the same cell. If this parameter is left empty, then the default column header of 'Notes' should be used in the report, and all Notes will be combined into one cell. Further, if the Application Note object does not have a value populated for the AC_ACESNoteType attribute, then all of the Notes will be grouped within the same cell / column in the generated file with a ';' multi-separator. The column header for these Notes will be 'Notes.' And if the Application Note object has a value populated for the AC_ACESNoteType attribute, then these Notes will be put in their own columns, and the column header will be the value of the Note Type attribute. (If there are multiple Notes with the same Note Type value, then those will be grouped in the same cell.)

Application Comment Properties

Component Description Table header that shows comments.

Attribute For Report Header ... Clear

Dimensions Edit...

* Display ID Edit...

* Editor Comment Finder

Headers

Label

Table Sorting

Subcomponent

↓ PATCH RECIPE

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

```
to:automotive/7.0/automotive-7.0.35.spr
```

The above recipe is compatible with the following STEP 10.1 MP3 baseline recipe:

```
to:step/platform/step-10.1-mp3.spr
```

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

base STEP system that has any Automotive add-on installed, both install recipes must be prepared at the same time.

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

Product MDM for Automotive 10.1 - 7.0.36 Patch Notes

Release Date: April 20, 2021

There is no new functionality included with this release. This release consists of a bug fix, and the 10.1 - 7.0.36 installation recipe makes the automotive component compatible with the released core code for STEP 10.1 MP4.



BUGFIXES

■ **Corrected an issue with the Mapping Guide window of Object to Object Mapping plugin**

Previously, when the text of the Source STEP Path defined within the Source field of the Mapping Guide window exceeded by length, the Edit icon was masked by the text. This caused an issue in editing the Source STEP Path. Now, this issue has been corrected so that the Source STEP Path text no longer conceals the Edit icon.

The screenshot shows the 'Mapping Guide' window with two tabs: 'Mapping' and 'Advanced'. The 'Mapping' tab is active and contains a table with the following structure:

	ID	Name	Validation Type	
Source				
Target				
Transformation				+

Below the table, there are sections for 'Targets' and 'Transformations'. The 'Targets' section includes a search box labeled 'Find targets' and two checked checkboxes: 'Attributes' and 'References'. Below this is another table with columns: 'Node Type', 'ID', 'Title', 'Validation Type', and 'Attribute Group(S)'. At the bottom right of the window are 'Cancel' and 'OK' buttons.

PATCH RECIPE

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

```
to:automotive/7.0/automotive-7.0.36.spr
```

The above recipe is compatible with the following STEP 10.1 MP4 baseline recipe:

```
to:step/platform/step-10.1-mp4.spr
```

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

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