



USER GUIDE

Instrument User Interface

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Table of Contents

Table of Contents	2	Organize Perspectives	28
Instrument User Interface	7	Maintaining Work Areas	29
Getting Started with Instrument	9	Maintaining Perspectives	29
Prerequisites	9	Task Counts	30
Accessing Instrument	10	Importing Assets	31
Context	10	Perspectives	36
Locale	11	Was this topic helpful?	37
Instrument Concepts	11	Perspective Basics	38
Working With Your Data	12	Perspective Types	38
Instrument Documentation	13	Tasks Perspective	39
Instrument Keyboard Navigation	14	Available Actions	39
Keyboard navigation in tables	14	Browse Perspective	40
Keyboard shortcuts throughout Instrument	14	Available Actions	40
Controlling Instrument UI Link Access	16	Collection Perspective	41
Instrument UI Access Privileges	16	Available Actions	41
Using Instrument	20	Adding a New Perspective	42
Work Areas	21	Additional Tasks Perspective Setup	44
Adding a New Work Area	21	Additional Browse Perspective Setup	44
Work Area Views	26	Perspective Views	45
List View	26	List View	46
Gallery View	27	Zoom Level	48
Customizing the Work Area Screen	28	Details View	48
Organize Work Areas	28	Navigating Perspectives	49
		Work Areas Screen	50

Perspectives Screen	50
Breadcrumb Bar	51
Help Text Tool Tip	52
Help Text Tool Tip Configuration	53
Toolbar	55
Sorting	59
Filtering	61
Creating and Initiating a New Object within the Tasks Perspective	63
Using the Create Button	63
Workflow Execution Exception	64
Submitting Tasks	65
Assigning Tasks	68
Importing Data	69
Importing Steps	69
Exporting Data	73
Exporting Steps	73
Approving Data	76
PDX Channels Setup	79
Adding a PDX Channel	79
Removing a PDX Channel	81
Available PDX Table Columns	82
PDX Channel Status	82
Executed Business Rules After Adding and Removing Channels	83

Managing Master Products	85
Add to Provided Master Product Family	86
Add to Existing Master Product Family	86
Create New Master Product Family	86
Remove From Master Product Family	87
Error Handling	88
Categorizing Objects	89
Customizing Columns	90
Adding and Removing Columns	90
Tabs	92
Details Tab	92
Item List	92
Details Pane	94
References Tab	95
Focus View	96
Compare Tab	98
Display	99
Editing	100
Languages Tab	101
Assets Tab	102
Filter	102
Add	103
Remove	105
Import	105

Download	106	Assets	131
Packaging Tab	107	Inherited and Local References	133
Asset Preview	108	Browsing Data	136
Section Bar	109	Navigation Tree	136
Errors	110	List View	138
Managing Data	112	Details View	139
Attributes	113	Node List	140
List View	113	Node Details	142
Details View	113	Creating New Objects within the Browse	
Attribute Editing Options	113	Perspective	143
References	115	Choosing a Node	143
List View	115	Creating a New Object	144
Copy and Paste	116	Enriching Objects	145
Inspect	117	Details View Tiles	147
Details View	118	Workflow Tile	148
Sorting and Filtering References	119	Configuring the Workflow Tile	148
Adding and Removing References	120	Using the Workflow Tile	148
References Hierarchy and Table	121	Completeness Tile	151
Reference Details	122	Sufficiency Scores Tile	154
Classification Links	122	Utilities	156
References Details Dialog Box	123	Context and Workspace Display	156
Product References and Classification Links ..	125	Search Bar	157
Product References	125	Filtering Search Results	158
Classification Links	128	Search Results	159
		Adding Search Results to a Workflow	160

Applying Business Actions to Search Results	160	Configuration Tool System Settings	189
Exporting Search Results	161	Setting the Default Context	189
Approving Objects in the Search Results	161	Configuring Quick Links	190
Adding Search Results to a Collection	161	Configuring the Link Settings	193
Search Results Product Card View	162	Conditions for Display	193
Details Panel	164	Configuration Tool: Creating Perspectives and Work Areas	195
Quick Links	164	Creating and Maintaining Work Areas	195
Notification Center	165	Duplicating a Work Area	199
User Settings	166	Removing a Work Area	199
Configuration Tool Access	169	Sequencing Work Areas	201
Data Containers	170	Creating and Maintaining Tasks Perspectives	201
Adding Data Containers	170	Duplicating a Perspective	207
Item Picker	174	Removing a Perspective	207
Browse	175	Sequencing Tasks Perspectives	208
Search	176	Creating a Browse Perspective	210
Administration	177	Creating a Browse Table Configuration in Specific Views	212
Prerequisites	177	Configuring Target Language Translation Status	215
Centralized Configuration	177	Administrators	215
Configuration Management - Export	179	Work Areas and Perspectives Tab	215
Configuration Management - Import	181	Specific Views Tab	216
Additional Considerations for Administrators ..	183	Translation Status	217
Configuring the Compare Tab	184	Configuration Tool Tabs Setup	219
Configuration Tool	187	Accessing the Configuration tool	187
Accessing the Configuration tool	187		

Adding a Tab	219
Configuring the Tab	220
'Conditions for display' Parameters	221
Setting Attributes for Display	222
Sequencing Tabs	224
Duplicating a Tab	224
Tab Type-Specific Configuration Options	225
Removing a Tab	225
Embedded Content Tab	227
Configuring Embedded Content tab	227
URL template in Embedded Content tab	229
Supported Placeholders	229
HTML proof view	229
Rendering HTML from business functions	230
Important Considerations	231
Configuration Tool Actions	233
Object Creation Configuration Action	233
Creating an Object Creation Configuration Action	233
Updating Configuration Tool Actions	236
Removing Configuration Tool Actions	237
Preset Work Areas and Perspectives	239
Creating Preset Work Areas and Perspectives for Users	239
User Permissions for Preset Work Areas and	240

Perspectives	
Configuration Tool Tabs Setup	241
Adding a Tab	241
Configuring the Tab	242
'Conditions for display' Parameters	243
Setting Attributes for Display	244
Sequencing Tabs	246
Duplicating a Tab	246
Tab Type-Specific Configuration Options	247
Removing a Tab	247
Setting Business Action Availability	249
Reading a New System Setup Group	249
Setting Default Asset Upload Classification	251
Setting a New Asset Upload Classification	251
Create Toolbar Button Setup	252
Prerequisites	252

Instrument User Interface

The Stibo Systems New UI for STEP (also referred to as Instrument) is a powerful data management tool that helps simplify the process of handling complex data challenges. It prioritizes simplicity and transparency, enabling users to address intricate issues seamlessly. The key features of Instrument include a visually streamlined interface with a contextual toolbar that , maintains the context of your data, provides guidance through dynamic error and warning messages, and facilitates easy data organization with work area and perspective concepts. In essence, Instrument is designed to empower users to master their data efficiently and with minimal friction.

Instrument can be accessed via your system's Start Page. You can also go directly to Instrument using this URL:
[your system URL]/Instrument



While Instrument is generally available, it still must be enabled for your system. Additionally, these prerequisites must be met before you can activate the Instrument UI:

- Be on the most recent STEP version. Going forward, update to the latest version when available. Instrument updates will not be backported.
- Have the Elasticsearch license and Elasticsearch server configuration setup. For more information, go to the Elasticsearch Setup in the System Setup documentation.
- Have the In-Memory license and setup. For more information, refer to In-Memory Database Component for STEP in the Resource Materials documentation.

Contact Stibo Systems to determine how best to meet these requirements and get started.

The Instrument section of documentation is split up into the following categories:

- **Getting started:** This section provides an Instrument introduction around logging in and using work areas and perspectives.
- **Using Instrument:** This section covers the specifics of using work areas and perspectives along with the different tools available in Instrument.
- **Administration:** This section goes over administration-specific tasks that can be done to fully enable Instrument functionality.

Getting Started with Instrument

Instrument is a powerful tool that provides a new and innovative way to master your data. To accomplish this, it has been designed with a focus on simplicity and transparency; empowering users to solve complex issues with as little friction as possible.

In a nutshell, the goal of Instrument is to do the following:

- Simplify complexity by providing a consistent interface with a contextual toolbar
- Maintain the context of the data you are working with so that you can return to where you started
- Provide guidance for solving issues through the use of dynamic errors and warnings
- Make it easy to organize your data via the work area and perspective concepts
- Offer various accessibility options for anyone who needs them

Prerequisites

What are the steps to try out Instrument?

There are a few requirements needed before you can activate the Instrument UI:

- Be on the most recent STEP version. Going forward, update to the latest version when available. Instrument updates will not be backported.
- Have the Elasticsearch license and Elasticsearch server configuration setup.
- Have the In-Memory license and setup.

Contact Stibo Systems to determine how best to meet these requirements and get started.

Additionally, some system administration setup is required before using Instrument. Administrators should refer to the Administration section.

Accessing Instrument

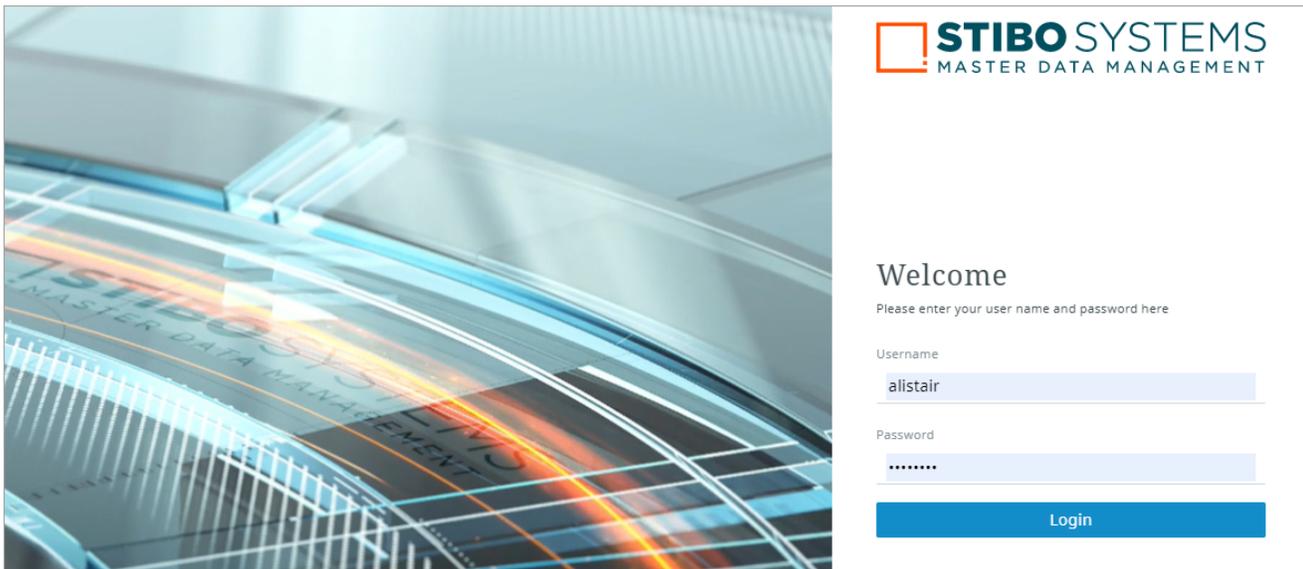
The Instrument user interface (UI) is accessible via your system's Start Page or by appending your system URL with 'Instrument.'

For example, *https://[system name]/Instrument*.

Note: Users need specific privileges to access the Instrument UI link on the STEP Start Page.

- i** Administrators can manage its visibility, restricting access to designated user groups to ensure only authorized members can view it.

To log in, you simply enter your STEP credentials (username and password).



Context

When you first log in, you will select a default context. Contexts are explained within the Contexts topic in the System Setup documentation.

If the admin user has set the default context via the Configuration tool, then you will not need to choose a context. Once you are logged in, you will still be able to change your context while in the User Settings.

Set default context

Please choose your default context to continue.

Choose context

All ▼

Save and continue

Locale

The locale, or the language in which this UI will display static text strings (i.e., titles, labels, and dialog text) and other settings like delimiters and date formats, is determined / modified through the settings menu of your browser.

The following locales are supported:

- Chinese (simplified)
- Danish
- English
- Finnish
- French
- German
- Italian
- Japanese
- Korean
- Norwegian
- Portuguese
- Spanish
- Swedish

Instrument Concepts

This tool allows you to organize your data into groups and then work with those groups via tab groups. This gives you the ease of editing and managing your data in a way that makes sense to you.

This is accomplished through the use of work areas and perspectives:

Work areas are methods of viewing and working with your data in a format you customize.

If this is your first time logging into Instrument, a default work area with a Tasks perspective will display.

You can customize the work area name, description, and background image. If you find that your work requires more than one work area, you can add as many as you need, giving each work area its own unique title, image, color, and description to differentiate them and make them easily recognizable.

 **Important:** *Prerequisite—Verify, or have a system administrator verify, a classification folder for work area images has been set up in STEP. For more information, refer to the Administration section.*

Perspectives provide a customized look into your data and exist as tabs that reside within a work area. There are three types of perspectives you can add to your work area: tasks, browse, and collections.

Within a perspective, you can view your data in a list view or a details view. The list view provides a high-level view of all nodes, while the details view focuses on the data specific to a selected node.

A contextual toolbar is accessible whenever you are viewing a perspective. Any actions not relevant to the view you are in will be automatically hidden from the toolbar.

 **Important:** *Prerequisite—Verify, or have a system administrator verify, that business actions have been set up for you to view and use in Instrument. By default, no business actions are shown without this setup. More information for your system administrator is in the Administration section.*

Functionality for Work areas is covered in Using Instrument documentation. Refer to the Perspectives topic for a more in-depth look at perspective features and functions.

Working With Your Data

While Instrument gives you many methods for customizing the display of your data, it also offers several ways to action it. You can accomplish many simple data maintenance tasks from the perspective list view, or you can get a more detailed view of the data by toggling to details view.

From the list view, you can edit attribute data cell by cell if needed, or you can edit in bulk. If in details view, the details pane shows all available attributes for a selected product, allowing you to edit attributes and to quickly navigate between attribute groups.

For more information, go to the Using Instrument topic Managing data.

Instrument Documentation

To easily find information within the documentation, you can use the search bar at the top of each page. Search by keywords or phrases. Exact phrases can be searched by putting quotation marks around your search terms.

Once you are familiar with the Instrument concepts or if you just want to jump into using the interface, the Using Instrument section covers how you work with work areas, perspectives, etc. And, while there is no administration needed to get started, the Administration section covers a few areas that are important for system administrators.

Instrument Keyboard Navigation

To aid both UI efficiency and user accessibility, Instrument supports keyboard navigation and keyboard shortcuts. When working in tables, users can edit table data and navigate between cells, rows, and columns using only the keyboard, with some limitations. Other shortcuts can be used throughout the UI.

The following keyboard navigation methods and keyboard shortcuts are supported.

Keyboard navigation in tables

Action	Windows	Mac
Navigate between cells	Arrow keys	Arrow keys
Shift focus to the right	Tab	Tab
Open cell editor	Enter	Enter
Close cell editor and cancel edits to the cell	Esc	Esc
Select in-focus row	Shift + Spacebar	Shift + Spacebar
Select all rows (including rows not loaded)	Shift + A	Shift + A

Keyboard shortcuts throughout Instrument

Listed in the table below are keyboard shortcuts that can be used throughout Instrument.

Action	Windows	Mac
Copy cell or text content	CTRL + C	⌘ + C

Action	Windows	Mac
Paste cell or text content	CTRL + V	⌘ + V
Undo edit	CTRL + Z	⌘ + Z
Redo edit	CTRL + Y	⌘ + Shift + Z
Select all	CTRL + A	⌘ + A

Note: To ensure the 'Tab' key allows users to move between all focusable elements in a table using the Safari browser for Mac, the Safari settings may need to be adjusted. Search the web for more information and adjust the settings as needed.

Controlling Instrument UI Link Access

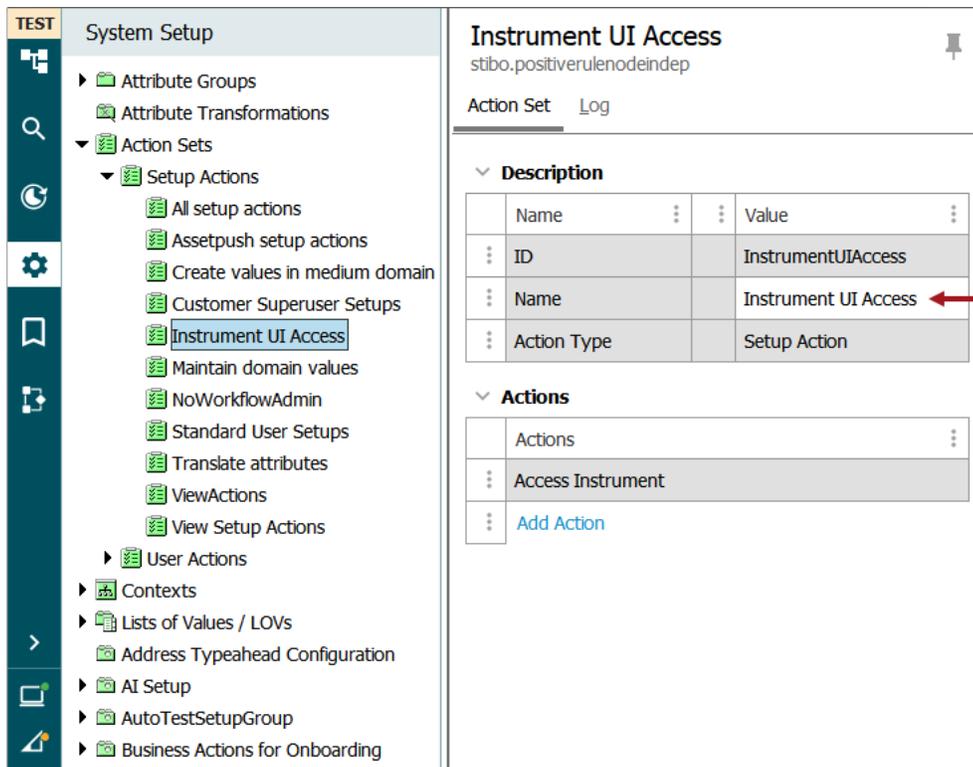
Access to the Instrument UI link on the Start Page can be controlled by administrators. Users must have the appropriate privileges to access and use the Instrument UI. If access is not required, it can be restricted accordingly. For more information about privileges and user setup, refer to the Users and Groups topic and the Adding User Privileges for a Group topic of the System Setup documentation.

Instrument UI Access Privileges

The 'Access Instrument UI' action must be added to a user group's privileges for a user to be able to access the Instrument UI link on the Start Page. If this action does not already exist as a standalone item or as part of an existing Action Set, then it needs to be set up.

Below are the steps for creating an Action Set and applying it to a User Group.

1. Go to **System Setup** in the STEP Workbench.
2. Under **Action Sets**, right-click **Setup Actions** and add a New Action Set.
3. Type in an ID and Name then click Create. In this example, the name is 'Instrument UI Access.'



System Setup

- Attribute Groups
- Attribute Transformations
- Action Sets
 - Setup Actions
 - All setup actions
 - Assetpush setup actions
 - Create values in medium domain
 - Customer Superuser Setups
 - Instrument UI Access**
 - Maintain domain values
 - NoWorkflowAdmin
 - Standard User Setups
 - Translate attributes
 - ViewActions
 - View Setup Actions
 - User Actions
- Contexts
- Lists of Values / LOVs
 - Address Typeahead Configuration
- AI Setup
- AutoTestSetupGroup
- Business Actions for Onboarding

Instrument UI Access
stibo.positiverulenodeindep

Action Set [Log](#)

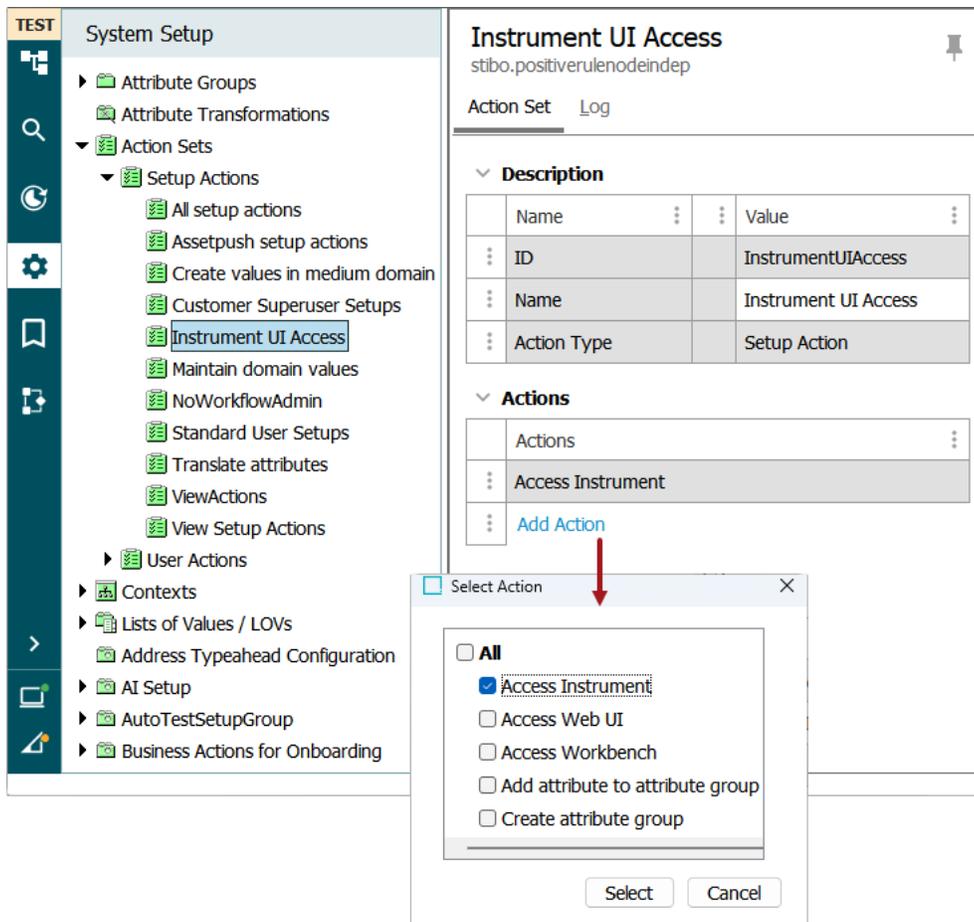
Description

Name	Value
ID	InstrumentUIAccess
Name	Instrument UI Access
Action Type	Setup Action

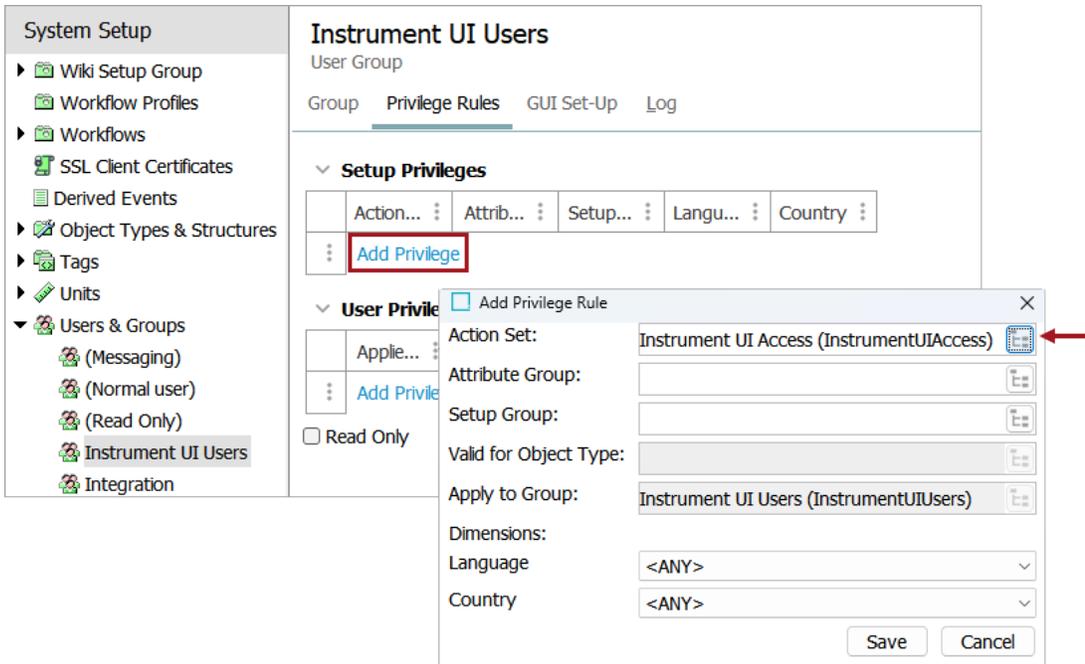
Actions

- Actions
- Access Instrument
- [Add Action](#)

- Click on the new action set that was just created (Instrument UI Access) and go to the Action Set tab.
- Click on the Add Action link and select 'Access Instrument' and then click Select.



6. Go to the **Users & Groups** section of **System Setup** and click on the user group that needs Instrument UI access.
7. On the Privilege Rules tab, click the Add Privilege link under the Setup Privileges flipper.
8. In the 'Add Privilege Rule' dialog box, click the selector button () next to the Action Set field and choose the Action Set you just created (Action Sets > Setup Actions > Instrument UI Access). Then, click Select.



9. Click Save.

Important: If restricting user access to Instrument UI, ensure there are no competing Action Sets set for the user group. The action set with the most generous access applies, not the Action Set with the most restrictive access.

Using Instrument

Instrument is a dynamic interface that empowers you with easy-to-use tools for managing data. The UI's simple and intuitive design not only allows for streamlined execution of your day-to-day tasks, but also enables you to organize your data in a way that best serves your daily needs. The goal with Instrument is to make otherwise complex daily tasks as painless as possible.

The interface can be distilled into two distinct elements:

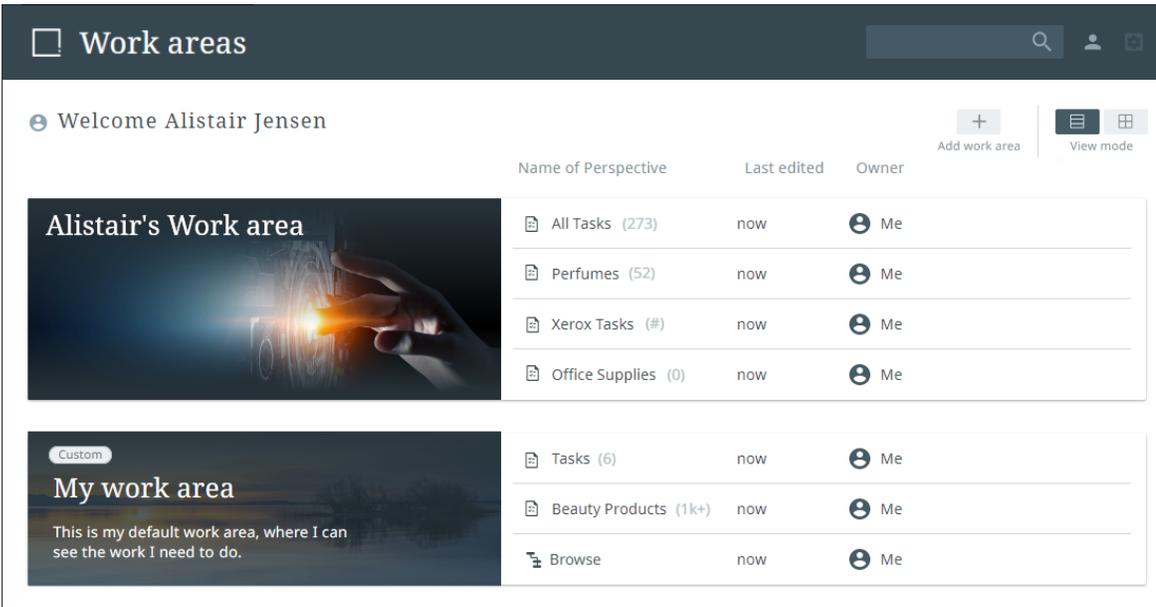
- Workspaces
- Perspectives

Other features of Instrument described in this documentation:

- Search bar, described in the Utilities topic
- Data containers
- An Item picker

Work Areas

Work areas are the foundation of the interface, determining what data is displayed and how it is organized. They serve as shared containers for related perspectives, and allow you to group and organize your perspectives according to how you work. Pictured below is the work area screen, which is what displays when you first log in.



The screenshot shows the 'Work areas' interface. At the top, there is a header with a search bar and user profile icons. Below the header, a welcome message reads 'Welcome Alistair Jensen'. To the right of the welcome message are buttons for 'Add work area' and 'View mode'. The main content area is divided into two sections:

- Alistair's Work area:** This section contains a list of perspectives:

Name of Perspective	Last edited	Owner
All Tasks (273)	now	Me
Perfumes (52)	now	Me
Xerox Tasks (#)	now	Me
Office Supplies (0)	now	Me
- My work area:** This section is marked as 'Custom' and contains a list of perspectives:

Name of Perspective	Last edited	Owner
Tasks (6)	now	Me
Beauty Products (1k+)	now	Me
Browse	now	Me

As shown in the examples above, you can easily identify how many tasks you have for each perspective shown based on the number in parentheses to the right of the perspective name.

Adding a New Work Area

To add a new work area to the work area screen, click the 'Add work area' button at the top of the page.

Work areas

English US Search

Welcome Derek

+ Add work area View mode

Name of Perspective	Last Edited	Owner
Tasks (#)	3 weeks 6 days	Me
ACME Customers	3 weeks 6 days	Me
Customer Hierarchy - Entity Root	3 weeks 6 days	Me
Products - Products	3 weeks 6 days	Me

Custom Data Tables

Custom My work area

This is my default work area, where I can see the work I need to-do.

+ This work area has no perspectives. Click here to create one.

This opens the 'Create new work area' editor, as shown in the screenshot below. Using this editor, you can assign a title for the work area, a description of its purpose, and a background color or an image to represent the new work area.

Create new work area ✕

Personalize work area

Work area image



Upload image or drag and drop

FORMAT: JPEG, PNG, GIF OR SVG

MIN. RES.: 530 X 335PX | MAX. FILE SIZE: 4MB

Background color

#263238 

Describe work area

* Title

Work area #1

Description

All tasks assigned to me.

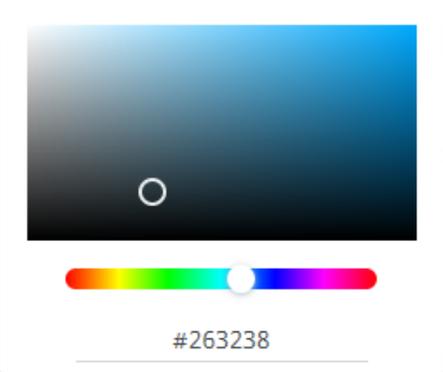
Cancel Create work area

You can specify the background color by manually entering a hexadecimal color code or by picking a color from the palette on the color picker.

Create new work area ✕

Personalize work area

Work area image



drop
AVG
SIZE: 4MB

#263238

#263238 

Describe work area

* Title

Work area #1

Description

All tasks assigned to me.

Cancel Create work area

Once your new work area has been created, it displays alongside your existing work areas.

Work areas English US

Welcome Derek Add work area View mode

	Name of Perspective	Last Edited	Owner
Data Tables <small>Custom</small>	Tasks (#)	3 weeks 6 days	Me
	ACME Customers	3 weeks 6 days	Me
	Customer Hierarchy - Entity Root	3 weeks 6 days	Me
	Products - Products	3 weeks 6 days	Me
My work area <small>Custom</small> This is my default work area, where I can see the work I need to-do.	This work area has no perspectives. Click here to create one.		
Work area #1 <small>Custom</small> All tasks assigned to me.	This work area has no perspectives. Click here to create one.		

Important: *Prerequisite—To enable the ability to add images for your work areas, verify, or have a system administrator verify, a classification folder for work area images has been set up in STEP. For more information, refer to the Administration section.*

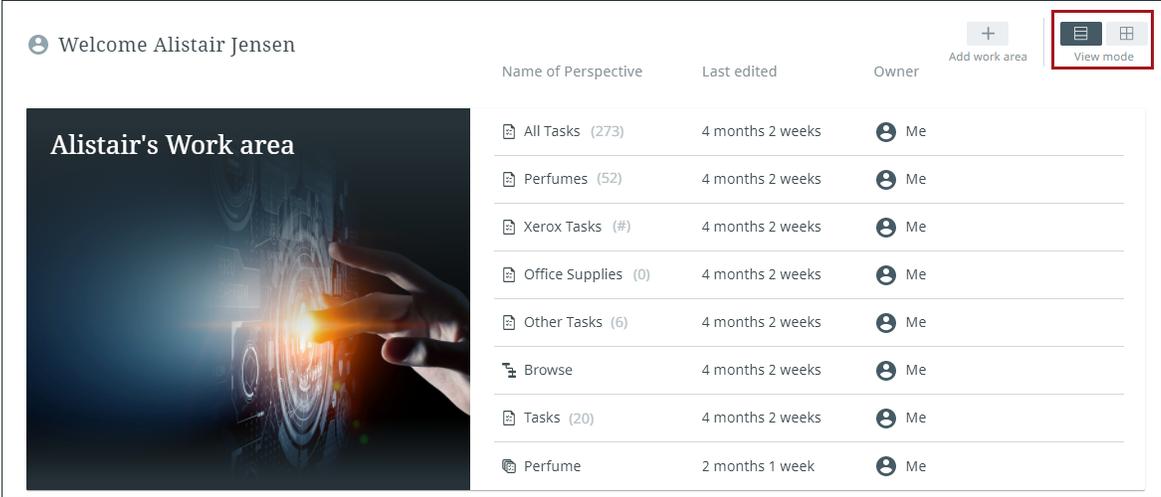
With your work area set up, you may want to add a perspective to your work area. For more on this, go to the Adding a New Perspective section of the Perspective Basics topic.

Preset work area and perspective configurations set by admin users become the default settings for assigned user groups. Columns and filters set by admins display to users. Admin defined filters cannot be deleted or overwritten by users once set. A tooltip message displays stating, 'You cannot overwrite admin configurations.' However, custom settings such as zoom, additional filters, and column width can still be manipulated and maintained by users in preset perspectives. Upon saving these changes, the 'Reset to default' feature is enabled which allows

users to revert to default settings defined by admins. Preset work areas can be duplicated and further customized by users in the duplication. Custom work areas, identified by a 'Custom' label above the work area name, are configured by the user and are customized based on user preferences and privileges.

Work Area Views

Your work areas can be displayed on the work area screen in two different ways, depending on which view is selected: list or gallery. The view buttons are located in the upper right-hand corner of the work areas screen. To change the view, click the view button for the view style not currently displayed. The list button is on the left and the gallery button is on the right.



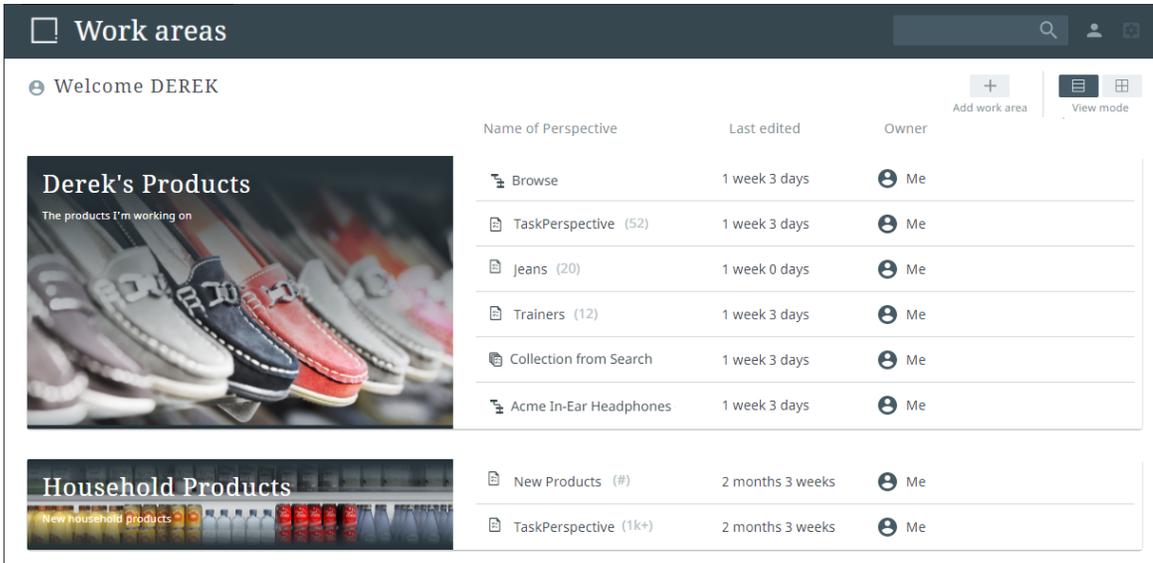
The screenshot shows the 'Alistair's Work area' interface. On the left is a large image with the text 'Alistair's Work area'. On the right is a table of perspectives. In the top right corner, there are two view mode buttons: a list view icon (selected) and a gallery view icon. A red box highlights these buttons.

Name of Perspective	Last edited	Owner
All Tasks (273)	4 months 2 weeks	Me
Perfumes (52)	4 months 2 weeks	Me
Xerox Tasks (#)	4 months 2 weeks	Me
Office Supplies (0)	4 months 2 weeks	Me
Other Tasks (6)	4 months 2 weeks	Me
Browse	4 months 2 weeks	Me
Tasks (20)	4 months 2 weeks	Me
Perfume	2 months 1 week	Me

List View

The list view provides a detailed overview for each work area. These details include:

- a list of the perspectives included within it and their respective task counts
- last edit date
- the owner of each perspective

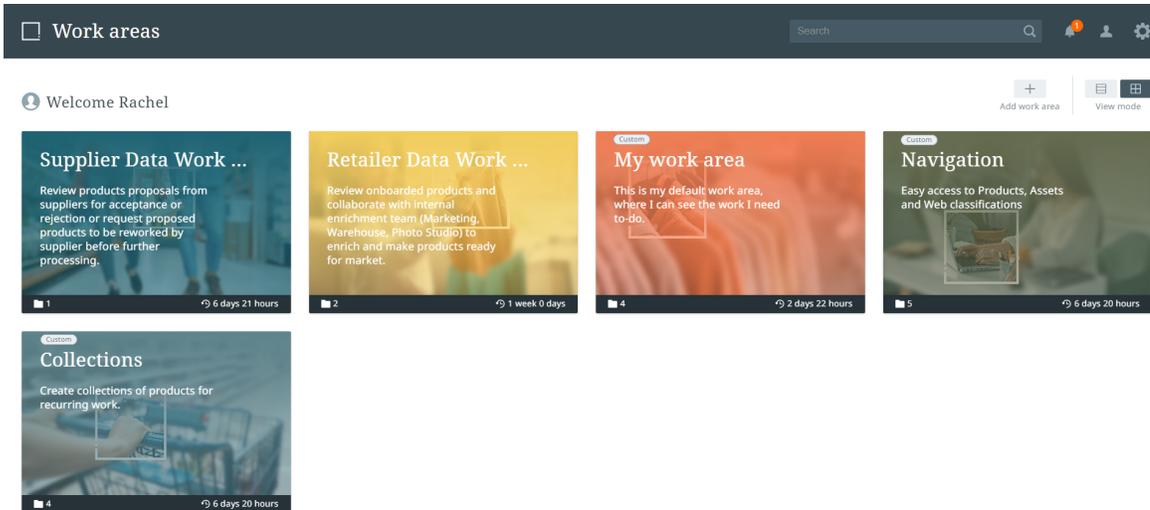


In the List View, you can access the work area by clicking the image. This opens either the most recently accessed perspective or the first perspective tab based on tab ordering. Or you can click directly on the desired perspective to gain access.

Gallery View

The gallery view displays each work area as a clickable card that provides fewer details about the work area than the list view, but displays the selected background image or color more prominently to aid faster identification and access. Gallery view enables users to view more work areas on a single screen and quickly navigate between different work areas. Contained inside each work area card are the following data points:

- name and description
- how many perspectives are held within the work area
- the last edit date for the work area



In the Gallery View mode, the work area can be accessed by clicking the image. This will take you to either the most recently viewed perspective tab or the first perspective tab based on tab ordering.

Customizing the Work Area Screen

The work area screen allows you to organize the work areas and perspectives that you configure in a way that best fits your requirements.

Note: Work areas and perspectives configured by an admin user cannot be reordered by users.

Organize Work Areas

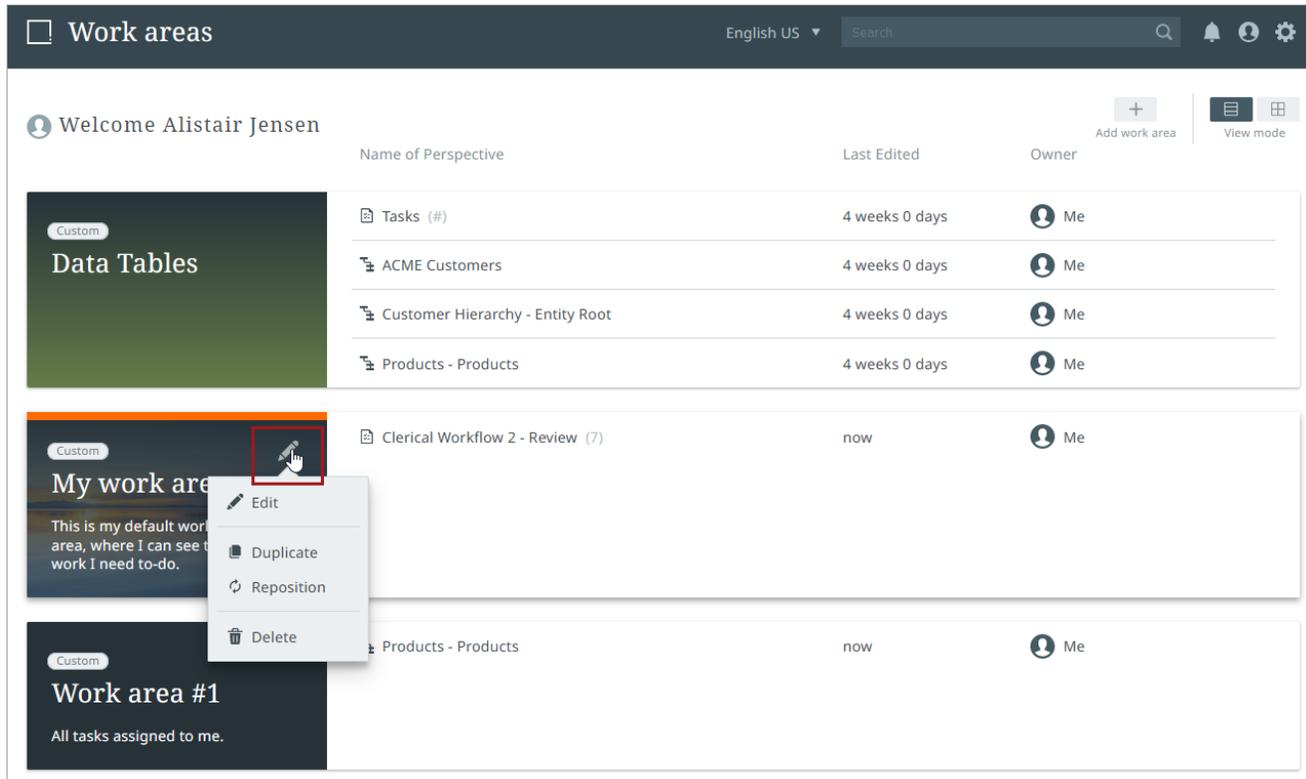
In both the list view and gallery view you can reorder your work areas by dragging and dropping the work area image.

Organize Perspectives

In list view, perspectives can be reordered by clicking and holding the drag handle on the perspective, (found at the far right of the listed perspective), dragging the perspective to the desired position, and then dropping it.

Maintaining Work Areas

To make changes to a work area, hover your cursor over the work area's image and select the pencil icon. This opens a menu allowing you to edit, duplicate, reposition, or delete the work area.



Selecting 'Edit' opens the edit work area menu, allowing you to change anything previously set, including the title, description, image, or background color.

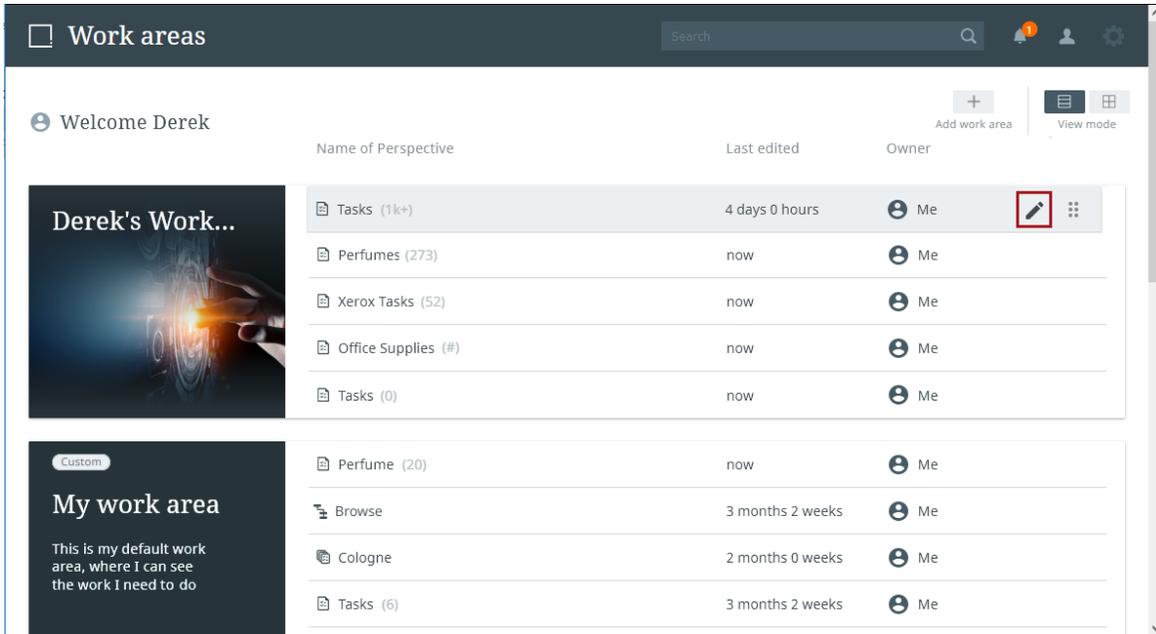
Selecting 'Duplicate' creates a copy of the work area.

Selecting 'Reposition' allows you to move the work area to a different location on the screen. This can also be accomplished by clicking on the work area image and dragging the work area to your desired location.

Selecting 'Delete' allows you to delete a work area, following a prompt to confirm the deletion.

Maintaining Perspectives

Perspectives can be modified from the work areas screen in a number of ways. When in the list view, hover your cursor over the perspective you wish to edit and select the pencil icon.



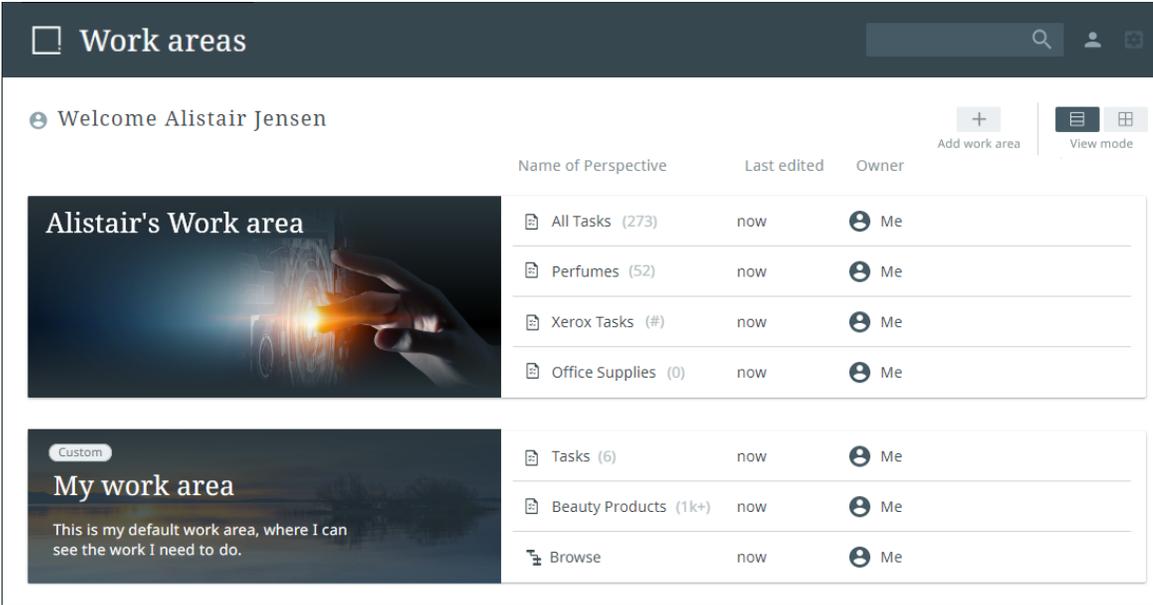
A menu displays that provides the following options:

- Rename - Allows you to rename the perspective
- Duplicate - Creates a duplicate of the selected perspective that can then be edited as needed
- Delete - Prompts display of a confirmation dialog asking you to confirm you want to delete the perspective -- the tasks included in the perspective are not impacted, only the selected perspective is removed
- Copy to - Enables users to create a duplicate of the selected perspective on a different work area
- Move to - Enables users to move the selected perspective to a different work area

You can also move a perspective between different work areas by dragging and dropping it via the drag handle.

Task Counts

Within the work area screen, task counts appear to the right of each Tasks perspective name, as shown below:



The screenshot shows the 'Work areas' interface. At the top, there is a header with a search bar and user profile. Below the header, a welcome message reads 'Welcome Alistair Jensen'. To the right of the welcome message are buttons for 'Add work area' and 'View mode'. The main content area is divided into two sections: 'Alistair's Work area' and 'My work area'. Each section contains a list of perspectives with columns for 'Name of Perspective', 'Last edited', and 'Owner'. The 'Alistair's Work area' section includes perspectives like 'All Tasks (273)', 'Perfumes (52)', 'Xerox Tasks (#)', and 'Office Supplies (0)'. The 'My work area' section includes 'Tasks (6)', 'Beauty Products (1k+)', and 'Browse'. The 'Browse' perspective is highlighted with a blue background.

Name of Perspective	Last edited	Owner
All Tasks (273)	now	Me
Perfumes (52)	now	Me
Xerox Tasks (#)	now	Me
Office Supplies (0)	now	Me
Tasks (6)	now	Me
Beauty Products (1k+)	now	Me
Browse	now	Me

Things to know about task counts:

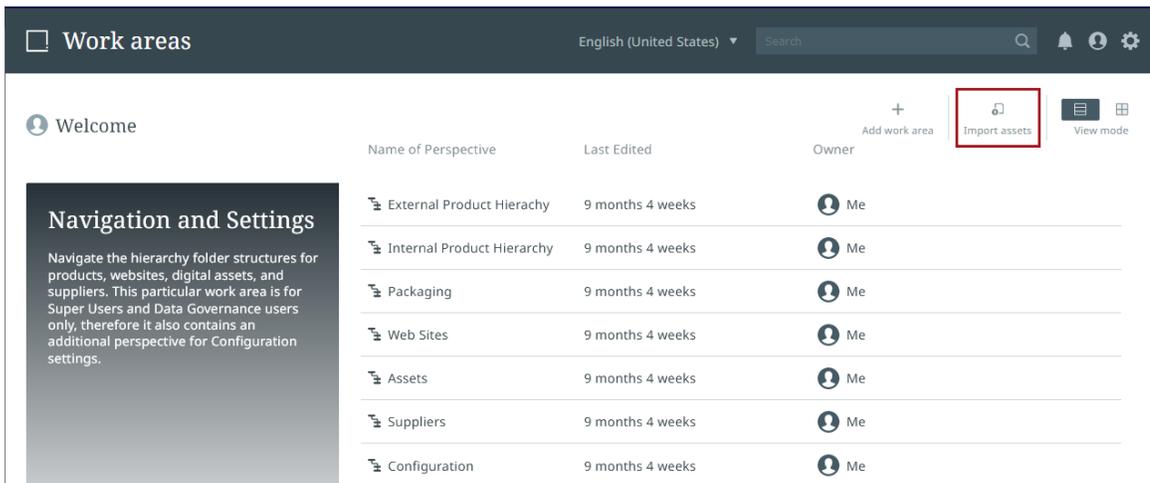
- Task counts load from top to bottom for perspectives as they are visible on the screen.
- (...) indicates that tasks are still being counted and will display when loading is complete.
- (0) indicates that there are no tasks in the perspective.
- 1,000 is the maximum task count. (1k+) indicates that there are over 1,000 tasks in the perspective.
- If the task count cannot be calculated, a (#) will be shown. For example, there may be a combination of filters that limit the system's ability to count tasks fast and efficiently. This would prompt display of a #.
- Mouse over the task count on the screen to get more information about what it means.
- Counts are not shown for Browse and Collection perspectives.

Importing Assets

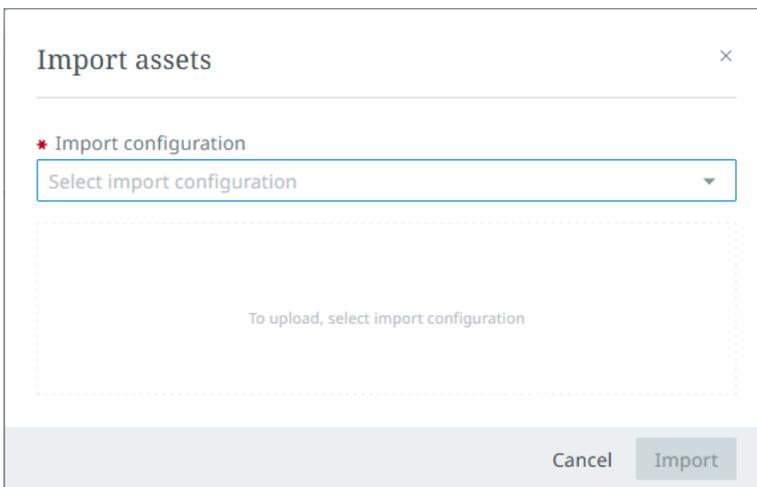
Also available on the work area screen is an 'Import assets' button. This feature allows users to mass import assets into STEP via Instrument, independent of any specific product, entity, or perspective. Located to the left of the 'View mode' buttons, the 'Import assets' button gives you the ability to add an unlimited number of assets that can be linked, categorized, and renamed when it makes sense for your workflow.

To import assets on the Welcome screen using the 'Import assets' button, follow the steps described below.

First, click the 'Import assets' button.

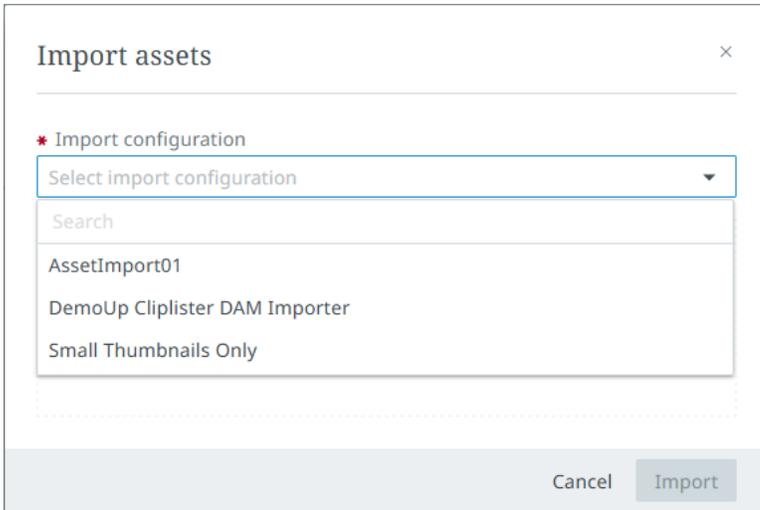


An 'Import assets' dialog displays.

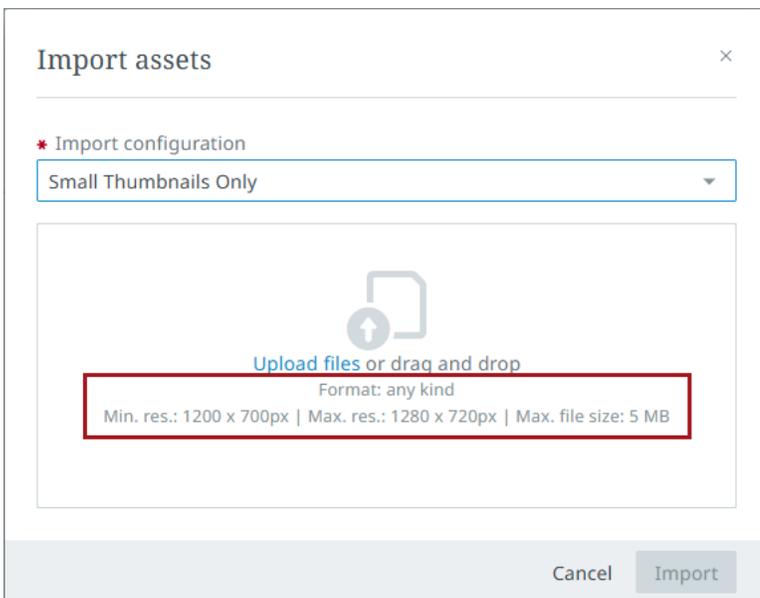


Note: If no asset import configurations have been set up for a given system, the system will display a message to this fact.

From the 'Import configuration' field dropdown, select the desired asset import configuration for the assets being imported.



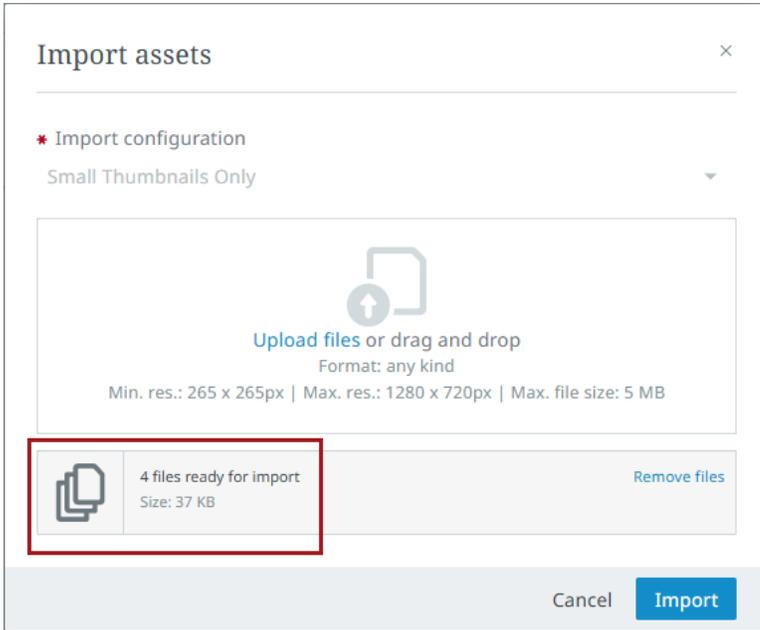
When the desired asset import configuration is selected, restrictions on which assets can be imported display within the dialog, as shown below.



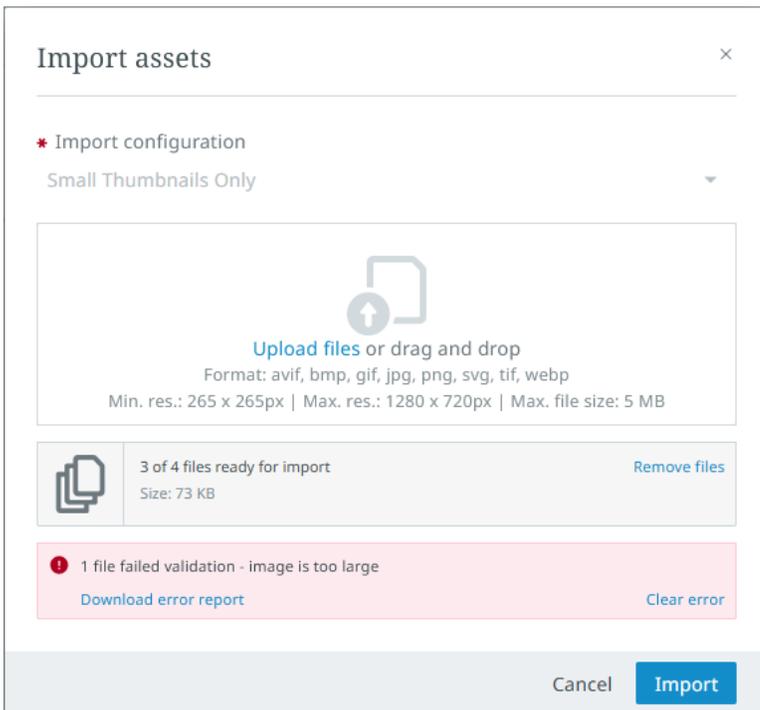
You can drag and drop assets into the dialog, or click 'Upload files' to find the relevant assets on your machine to be imported.

Once assets have been selected, the selected import configuration cannot be changed without removing the assets from the pending import.

As the assets are added, the validation immediately evaluates the asset against any restrictions configured in the selected asset import configuration. The number of assets that will and will not be imported is updated in the dialog. To remove all assets validated for import, click the 'Remove files' button.

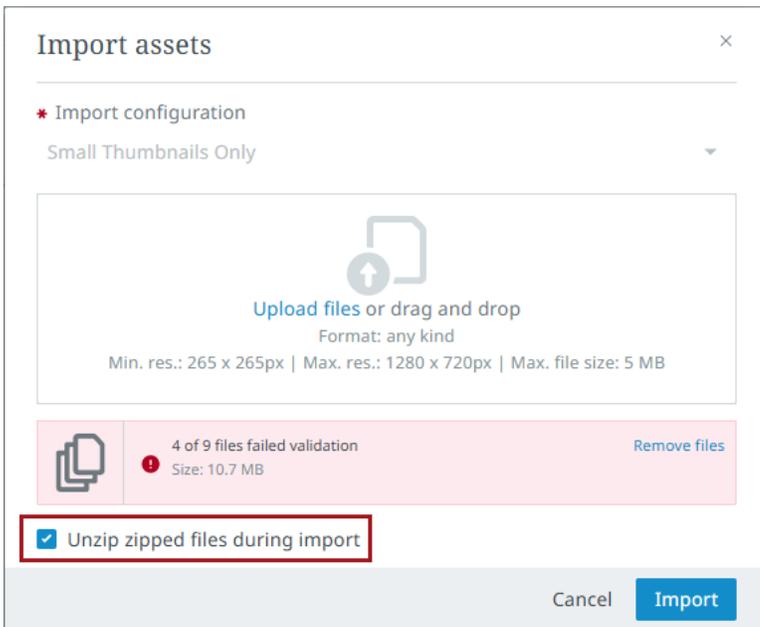


If assets do not comply with the validation configured for the selected import configuration, those assets will display in a separate red-shaded box, as shown in the screenshot below, and will not be part of the import.

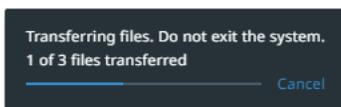


To remove one or more assets that have failed validation, click 'Clear error' in the red-shaded box. For more information on why the asset failed validation, you can access a report by clicking 'Download error report.'

If the selected asset import configuration allows .zip files to be imported, these can be added to the proposed import. If you prefer that the files inside the .zip file are unzipped and imported, check the box for the setting called 'Unzip zipped files during import.'



While the asset import is in process, other tasks can be done in the Instrument UI, including initiation of additional import actions. If multiple asset imports are happening concurrently, a progress bar will display providing real-time information on the progress of all ongoing asset imports.



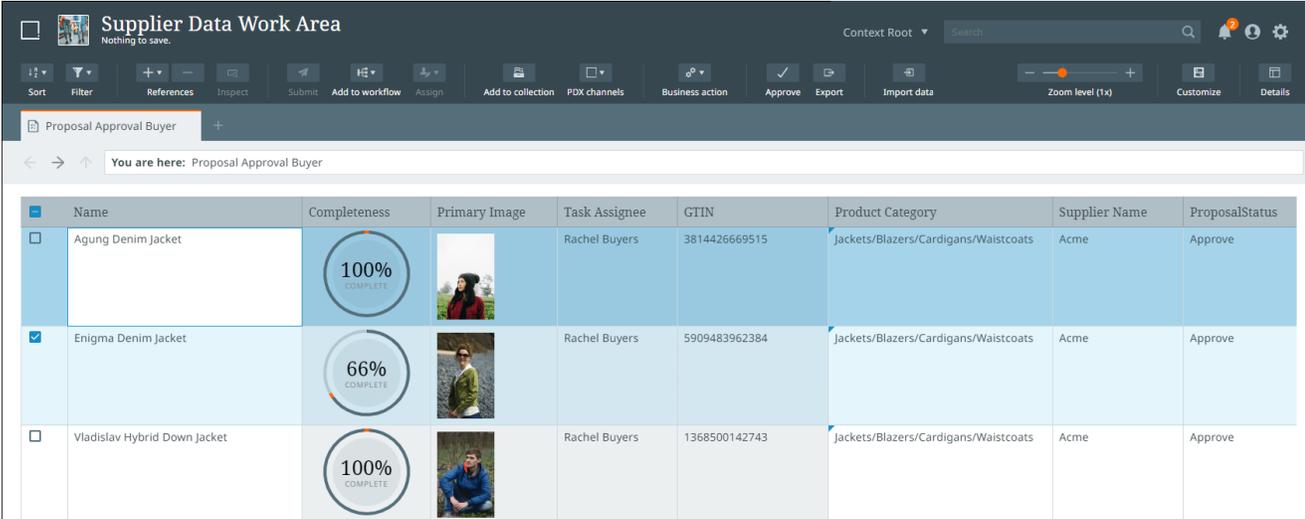
Clicking 'Cancel' on this dialog will cancel all pending file transfer requests, but will not affect files already transferred, or in-progress background processes (BGPs).

For more information on importing assets specific to a product, refer to the Assets tab section of the Tabs topic.

Perspectives

In essence, a perspective is a customized view of a data source. It defines what data to visualize and how it is represented, providing you with an intuitive way of customizing views for your specific needs. When viewing a particular work area, each tab represents a different perspective within that work area.

Everything displayed below a selected tab is part of a perspective.



The screenshot shows the 'Supplier Data Work Area' interface. At the top, there is a navigation bar with various icons and a search bar. Below the navigation bar, there is a breadcrumb trail: 'You are here: Proposal Approval Buyer'. The main content area displays a table with the following columns: Name, Completeness, Primary Image, Task Assignee, GTIN, Product Category, Supplier Name, and ProposalStatus. The table contains three rows of data, each with a circular progress indicator in the 'Completeness' column.

Name	Completeness	Primary Image	Task Assignee	GTIN	Product Category	Supplier Name	ProposalStatus
<input type="checkbox"/> Agung Denim Jacket	100% COMPLETE		Rachel Buyers	3814426669515	Jackets/Blazers/Cardigans/Waistcoats	Acme	Approve
<input checked="" type="checkbox"/> Enigma Denim Jacket	66% COMPLETE		Rachel Buyers	5909483962384	Jackets/Blazers/Cardigans/Waistcoats	Acme	Approve
<input type="checkbox"/> Vladislav Hybrid Down Jacket	100% COMPLETE		Rachel Buyers	1368500142743	Jackets/Blazers/Cardigans/Waistcoats	Acme	Approve

Listed below are links to the topics and groups of topics that cover the functionality of perspectives in Instrument:

- [Perspective basics](#)
- [Toolbar](#)
- [Tabs](#)
- [Managing data](#)
- [Browsing data](#)
- [Creating new objects](#)
- [Data quality and completeness](#)

There are currently three types of perspectives to work from: Browse, Tasks, and Collections.

Was this topic helpful?

Perspective Basics

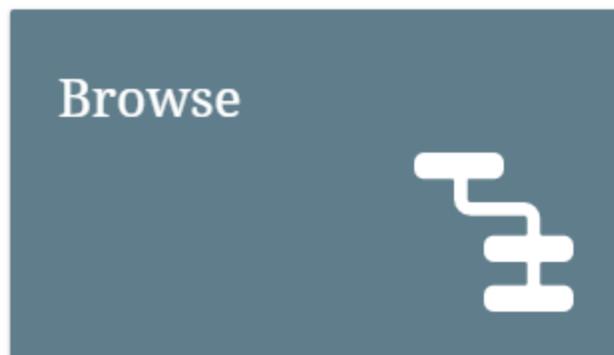
Perspectives are the primary way you will access the tasks you must perform in Instrument. As their name suggests, perspectives are designed to empower you to approach your work in a way that best suits you. Before perspectives can be configured to their full potential, you must first understand some of the basics of perspectives, which is what is covered in this topic.

Perspective Types

The first step in creating a perspective is to decide what type of perspective it will be. Because each of the three available perspective types serve a distinct purpose, different customization options and actions will be made available to you depending on the type you select.

The perspective types are:

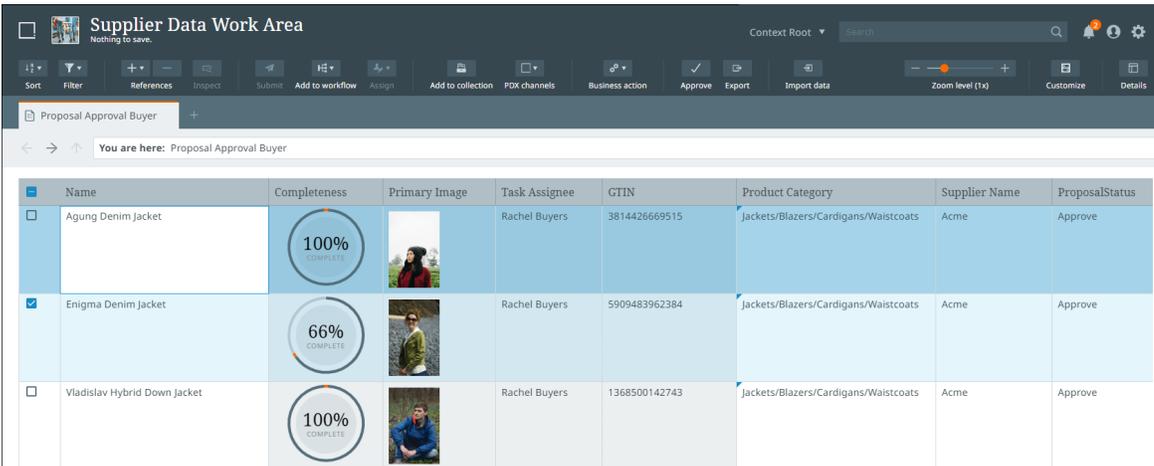
- Tasks - Allows you to organize tasks assigned to you and act upon those tasks.
- Browse - Enables you to explore your data via a customizable hierarchical tree.
- Collection - Allows you to organize and edit subsets of data pulled from search results.



Note: Collection perspectives are not created via the Add perspective button, but by clicking the 'Add to collection' toolbar button.

Tasks Perspective

A Tasks perspective allows you to organize and act upon tasks assigned to you. These perspectives can be viewed using either the table or details views. In the screenshot below, the perspective is being viewed via the table view.



Name	Completeness	Primary Image	Task Assignee	GTIN	Product Category	Supplier Name	ProposalStatus
<input type="checkbox"/> Agung Denim Jacket	100% COMPLETE		Rachel Buyers	3814426669515	Jackets/Blazers/Cardigans/Waistcoats	Acme	Approve
<input checked="" type="checkbox"/> Enigma Denim Jacket	66% COMPLETE		Rachel Buyers	5909483962384	Jackets/Blazers/Cardigans/Waistcoats	Acme	Approve
<input type="checkbox"/> Vladislav Hybrid Down Jacket	100% COMPLETE		Rachel Buyers	1368500142743	Jackets/Blazers/Cardigans/Waistcoats	Acme	Approve

Available Actions

When selecting one or more tasks from within the perspective a number of actions are made available from the toolbar:

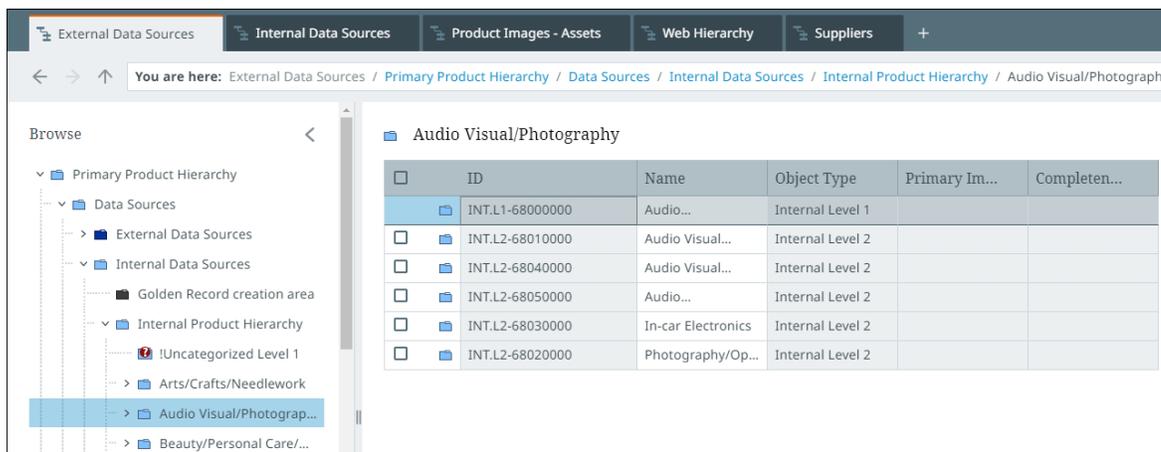
- **Submit** - This action submits the selected task(s) to the next state of whichever workflow it is in.
- **Add to workflow** - This action adds the selected task(s) to the desired workflow.
- **Business action** - This action applies the desired business action to the selected task(s).
- **Assign** - This action assigns the selected task(s) to the desired user.
- **Inspect** - This action allows you to inspect the details of selected references.
- **Export** - This action creates an export of the selected task(s).
- **Add to collection** - This action adds the selected task(s) to the desired collection.

- **Approve** - This action submits the selected product or products for approval.
- **Master product** - This action manages master product families and allows users to move objects into them.
- **Categorize** - This action moves objects to another location in the applicable hierarchy.

For more general information on how these Toolbar actions function, refer to the Toolbar topic in this section.

Browse Perspective

A Browse perspective allows you to customize your own tree for browsing products, entities, classifications, and other objects. Both the table and details views are available for Browse perspectives. The details view is shown in the screenshot below.



ID	Name	Object Type	Primary Im...	Completen...
INT.L1-68000000	Audio...	Internal Level 1		
INT.L2-68010000	Audio Visual...	Internal Level 2		
INT.L2-68040000	Audio Visual...	Internal Level 2		
INT.L2-68050000	Audio...	Internal Level 2		
INT.L2-68030000	In-car Electronics	Internal Level 2		
INT.L2-68020000	Photography/Op...	Internal Level 2		

Available Actions

When selecting one or more objects from within the perspective a number of actions are made available from the toolbar:

- **Add to workflow** - This action adds the selected object(s) to the desired workflow.
- **Business action** - This action applies the desired business action to the selected object(s).
- **Export** - This action creates an export of the selected object(s).
- **Add to collection** - This action adds the selected object(s) to the desired collection.

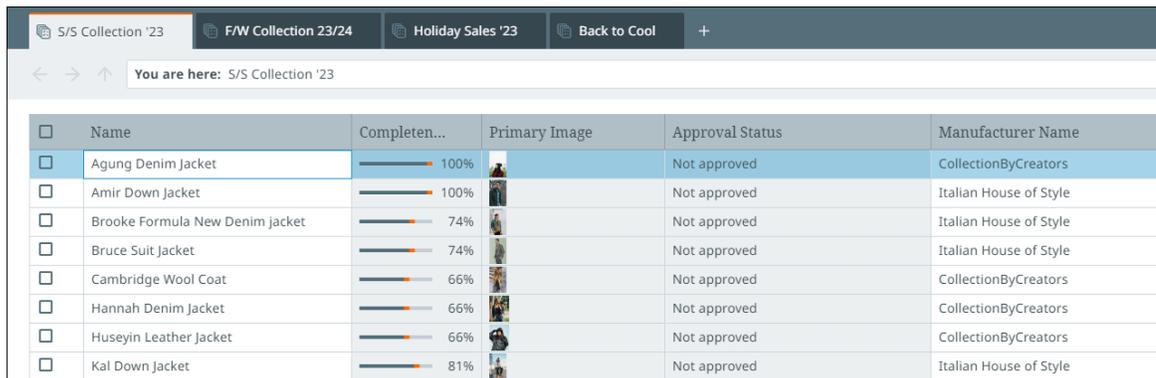
- Master product** - This action manages master product families and allows users to move objects into them. Available for implementations that include Accelerator for Retail.
- Categorize** - This action moves objects to another location in the applicable hierarchy. Available for implementations that include Accelerator for Retail.

For more information, refer to Browsing data.

For more general information on how these Toolbar actions function, refer to the Toolbar topic.

Collection Perspective

A Collection perspective allows you to organize and act upon objects within a given collection. Both the table and details views are available for collection perspectives.



<input type="checkbox"/>	Name	Completen...	Primary Image	Approval Status	Manufacturer Name
<input type="checkbox"/>	Agung Denim Jacket	100%		Not approved	CollectionByCreators
<input type="checkbox"/>	Amir Down Jacket	100%		Not approved	Italian House of Style
<input type="checkbox"/>	Brooke Formula New Denim jacket	74%		Not approved	Italian House of Style
<input type="checkbox"/>	Bruce Suit Jacket	74%		Not approved	Italian House of Style
<input type="checkbox"/>	Cambridge Wool Coat	66%		Not approved	CollectionByCreators
<input type="checkbox"/>	Hannah Denim Jacket	66%		Not approved	CollectionByCreators
<input type="checkbox"/>	Huseyin Leather Jacket	66%		Not approved	CollectionByCreators
<input type="checkbox"/>	Kal Down Jacket	81%		Not approved	Italian House of Style

Available Actions

When selecting one or more objects from within the perspective a number of actions are made available from the toolbar:

- Add to workflow** - This action adds the selected objects(s) to the desired workflow.
- Business action** - This action applies the desired business action to the selected objects(s).
- Export** - This action creates an export of the selected objects(s).
- Add to collection** - This action adds the selected objects(s) to the desired collection.

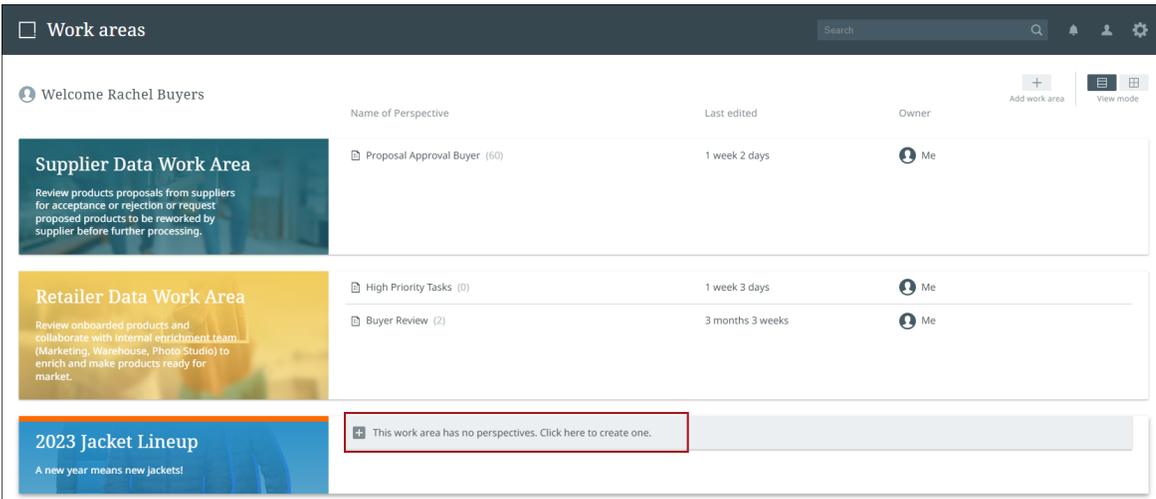
- **Approve** - This action submits the selected product or products for approval.
- **Master product** - This action manages master product families and allows users to move objects into them.
- **Categorize** - This action moves objects to another location in the applicable hierarchy.

For more general information on how these toolbar actions function and item selection maximums, refer to [Toolbar](#).

Adding a New Perspective

Perspectives can be added to work areas in one of two ways. The first is via the work areas screen.

To add a new perspective to an empty work area, first select the empty work area row.



The screenshot shows the 'Work areas' screen with a dark header and a search bar. Below the header, there's a 'Welcome Rachel Buyers' message. The main content area is a table with columns for 'Name of Perspective', 'Last edited', and 'Owner'. There are three rows of work areas:

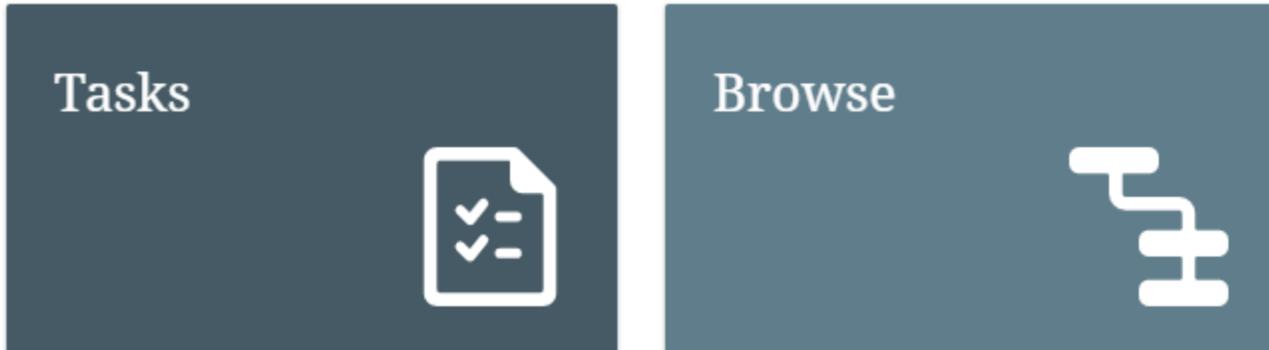
Name of Perspective	Last edited	Owner
Supplier Data Work Area Review products proposals from suppliers for acceptance or rejection or request proposed products to be reworked by supplier before further processing.	Proposal Approval Buyer (60)	1 week 2 days
Retailer Data Work Area Review onboarded products and collaborate with internal enrichment team (Marketing, Warehouse, Photo Studio) to enrich and make products ready for market.	High Priority Tasks (0) Buyer Review (2)	1 week 3 days 3 months 3 weeks
2023 Jacket Lineup A new year means new jackets!	+ This work area has no perspectives. Click here to create one.	

The second method to add a perspective is from within the perspective itself. When within a perspective, select the plus button to the right of the existing perspective tab(s).

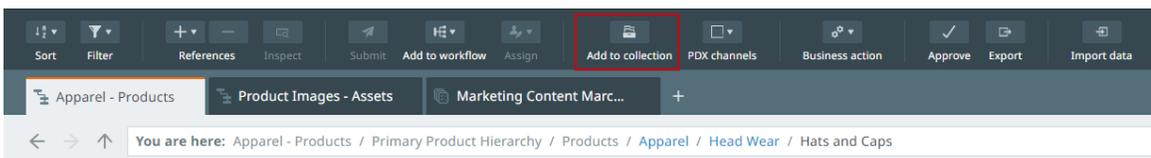
The screenshot shows a navigation bar with tabs for 'Browse', 'Supplier Product Onboard...', 'Tasks', and a '+' icon. Below the navigation bar is a breadcrumb trail: 'You are here: Supplier Product Onboarding Sell Side Workflow - Categorization Cl...'. The main content is a table with the following columns: Name, Workflow, Workflow S..., and Primary Im....

<input type="checkbox"/>	Name	Workflow	Workflow S...	Primary Im...
<input type="checkbox"/>	Sweet Almonds	Supplier Product Onboardin...	Categorization...	
<input type="checkbox"/>	Exotic fruitjuice	Supplier Product Onboardin...	Categorization...	
<input type="checkbox"/>	Macédoine de...	Supplier Product Onboardin...	Categorization...	
<input type="checkbox"/>	Petits Pois et...	Supplier Product Onboardin...	Categorization...	
<input type="checkbox"/>	New Brake Disc	Supplier Product Onboardin...	Categorization...	
<input type="checkbox"/>	New New Brake...	Supplier Product Onboardin...	Categorization...	

Using either method, you will be presented with a choice to create either a Tasks perspective, or a Browse perspective. Click the relevant option.

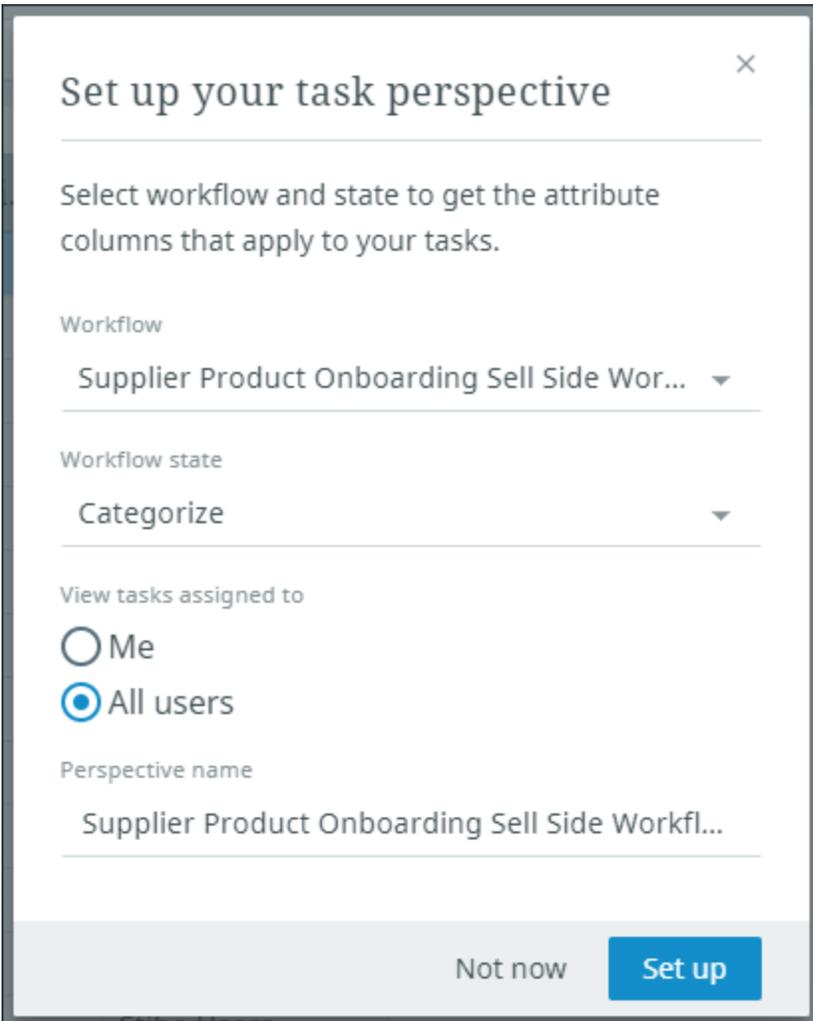


It is also possible to create a Collection perspective. You can create a Collection perspective by selecting objects in either a Tasks, Browse, or Collection perspective, (or from search results), and then clicking the 'Add to collection' button, located in the toolbar.



Additional Tasks Perspective Setup

If you select 'Tasks,' a window will appear prompting you to specify which workflow and workflow state to build your perspective around, whether to only show tasks assigned to you or all users, and to provide a name for the perspective. Anything specified will automatically apply relevant filters to the perspective upon creation. However, selecting 'Not now' will close the window and create the perspective without applying any filters.



Set up your task perspective ×

Select workflow and state to get the attribute columns that apply to your tasks.

Workflow
Supplier Product Onboarding Sell Side Wor... ▼

Workflow state
Categorize ▼

View tasks assigned to
 Me
 All users

Perspective name
Supplier Product Onboarding Sell Side Workfl...

Not now **Set up**

For more information on filters, refer to [Filtering](#).

Additional Browse Perspective Setup

If you select 'Browse,' a window will appear prompting you to specify a name for the perspective. Select an object hierarchy from the dropdown to determine which parts of the hierarchy will display in the navigation tree.

Configure browse perspective

×

Please select which hierarchy should be configured for this perspective.

Select hierarchy

■ Products
 ▼

Set default top node

^
📁
Primary Product Hierarchy
▲

- ... > 📁 Base Validation Types
- ... > 📁 Data Sources
- ... > 📁 Features
- ... > 📁 Ingredients
- ... > 📁 Instrument Products
- ... > 📁 Packaging
- ... > 📁 Product Golden Records
- ... 📁 Product Overrides
- ... > 📁 Product Samples

* Perspective name

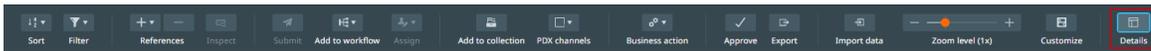
Products

Cancel
Create

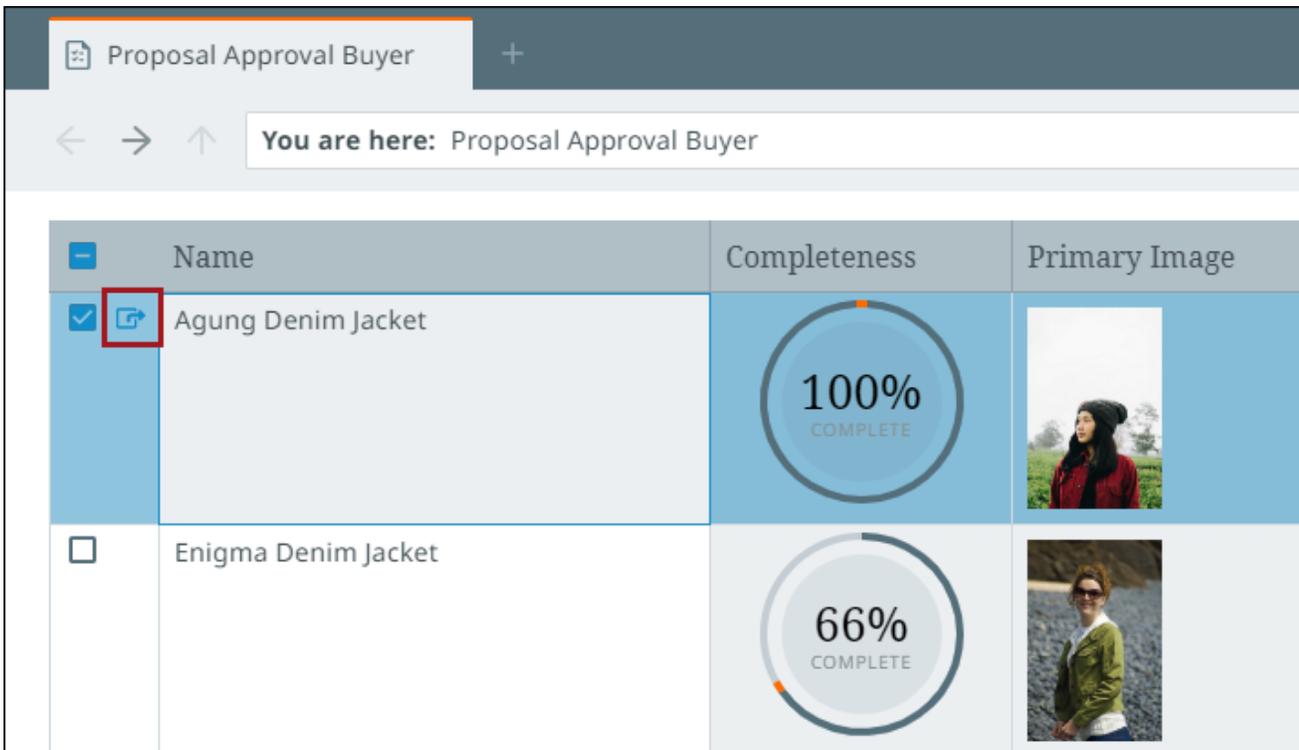
Perspective Views

There are two different ways to view data within a perspective: list view and details view. The list view provides a high-level view of all the tasks or objects in a given perspective, while the details view focuses on the details of a specific task or object.

From the toolbar, you can switch between these views by clicking the Details button.



You can switch to the details view from the list view by hovering your cursor over the relevant row and clicking the arrow icon next to the checkbox of a particular task.



List View

The list view features a table displaying your items (which might be tasks or products, depending on the perspective) and details about those items. Besides alphanumeric characters, perspective tables can contain multiple types of data, such as statuses, images, and icons.

Important: The Select All option, found in the header row of the table, allows you to select all items in a table. Alternatively, you can select up to 500 items manually by checking the checkbox for each desired item. Refer to the Toolbar topic for other maximums that you need to consider when taking actions on perspective selections.

Supplier Data Work Area
Nothing to save.

Context Root Search

Sort Filter References Inspect Submit Add to workflow Assign Add to collection PDX channels Business action Approve Export Import data Zoom level (1x) Customize Details

Proposal Approval Buyer

You are here: Proposal Approval Buyer

Name	Completeness	Primary Image	Task Assignee	GTIN	Product Category	Supplier Name	ProposalStatus
<input type="checkbox"/> Agung Denim Jacket	100% COMPLETE		Rachel Buyers	381442669515	Jackets/Blazers/Cardigans/Waistcoats	Acme	Approve
<input checked="" type="checkbox"/> Enigma Denim Jacket	66% COMPLETE		Rachel Buyers	5909483962384	Jackets/Blazers/Cardigans/Waistcoats	Acme	Approve
<input type="checkbox"/> Vladislav Hybrid Down Jacket	100% COMPLETE		Rachel Buyers	1368500142743	Jackets/Blazers/Cardigans/Waistcoats	Acme	Approve

Several options are available for customizing the list view, including:

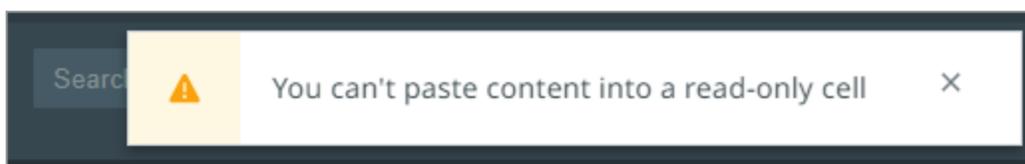
- Sorting / filtering tasks and objects
- Adding / removing columns
- Adjusting the zoom level

For more information on customizing this view, refer to the Customizing columns, Sorting, and Filtering topics.

Data within gray cells is read-only; data within white cells can be edited (go to Managing data for more details).

Line breaks can be added to text attribute values within a cell using the Enter + Shift key combo. Refer to Attributes in this section for details.

Copying and pasting data (via OS shortcuts and the web browser menu) can be done between cells within the interface and external applications. If you are unable to copy or paste something within the interface, you will get an on-screen notification. For example:



Note: Date, ISO Date, and ISO Date Time column types all accept plain text, which is either in those forenamed formats as well as the DDMMYYYY format (for example, 21/02/2023 or 21.02.2023).

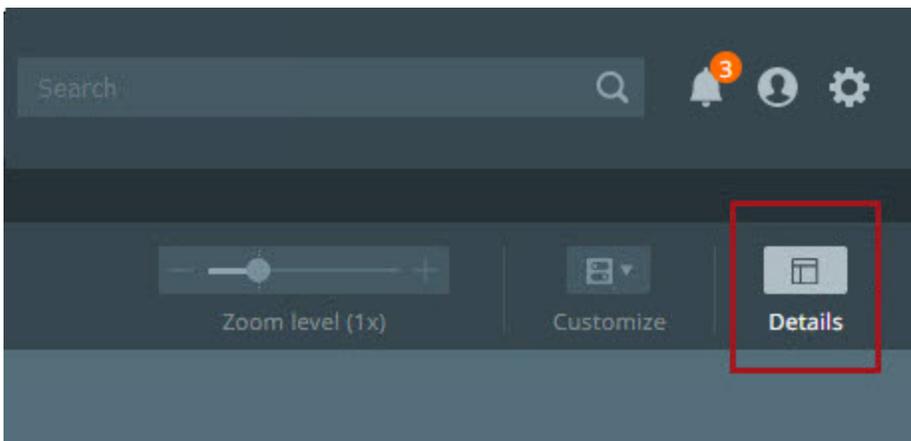
Drag to fill can be used for a reference type or link type within a table view. This is controlled by the fill handle on the bottom right corner of the cell. A validation check is automatically performed on the new value and, if it is invalid for any reason, an error icon [❌] is displayed next to it. Invalid changes will not be saved.

Zoom Level

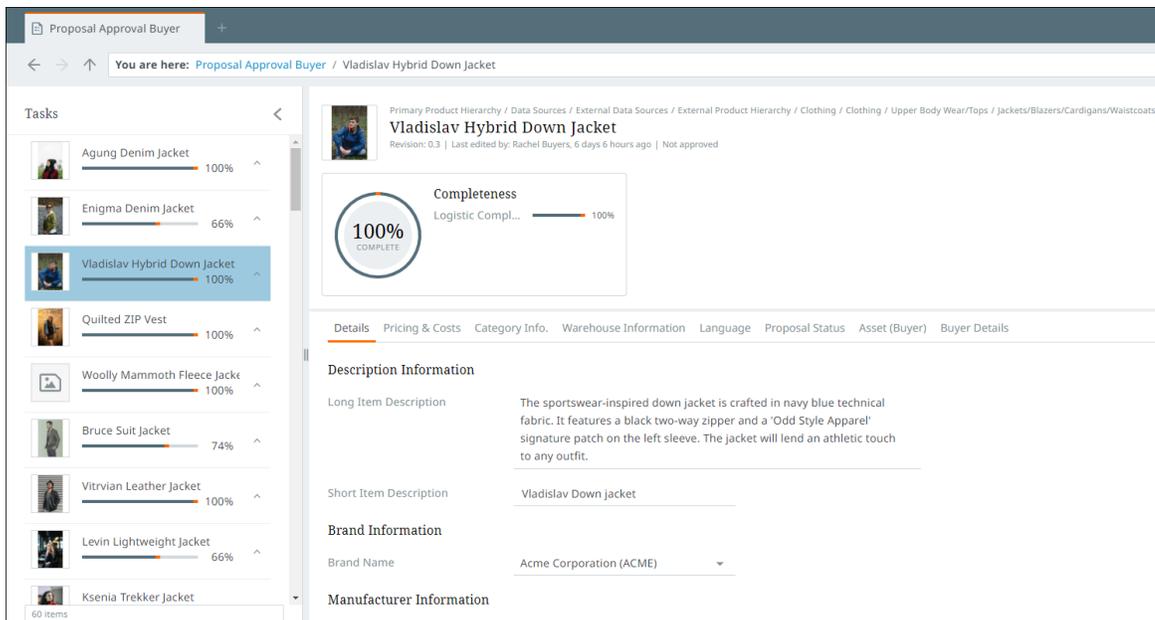
You can specify the height of each row in the perspective data by adjusting the zoom level. Doing so may reveal more information that may otherwise have been hidden if contained within a smaller cell.

Details View

The details view focuses on the details of a specific item. The details view can be accessed by clicking the 'Details' button found in the toolbar near the right-hand side of the screen.



In the 'Tasks' perspective, for example, the 'Details' view shows the details of an item contained in a workflow, thus representing a workflow task. Details for an item in this perspective (shown below) are presented to the user in configurable tabs that can display referenced images and other assets, attributes, attributes groups, languages, and more.



Additionally, items accessed via a 'Browse' perspective hierarchy can also be shown via the 'Details' view. If, for instance, the user adds a 'Browse' perspective to view their assets, they can select an asset, click the 'Details' view, and attributes for that asset will display beneath a summary of that asset. For asset attributes that can be edited, users can add and update those values.

Various kinds of information can be displayed via the 'Details' view, often through a series of tabs. Tabs can be added in the configuration tool.

For more information on the configuration tool, refer to the Configuration Tool topic.

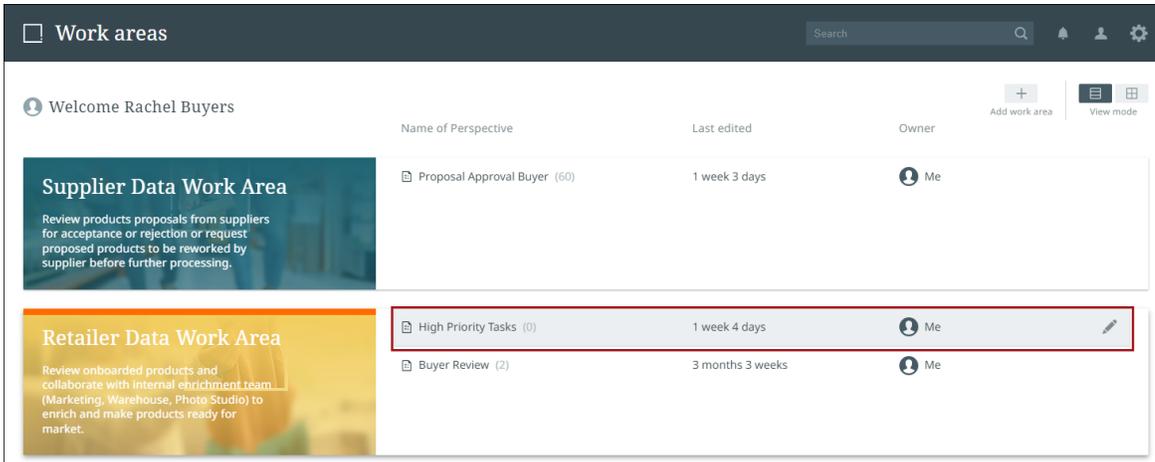
Note: When you are in the details view, you will have a breadcrumb bar. Another breadcrumb bar with read-only breadcrumbs is shown above the product name to indicate where you are in the hierarchy. If using the details view, the system uses these breadcrumbs to mark your position within each perspective when you log out, and will return you to the same view when you enter each perspective upon your next login.

Navigating Perspectives

Instrument provides several ways to navigate between work areas and perspectives screens, as well as between the perspectives themselves.

Work Areas Screen

To access a perspective from the Work areas screen, click the perspective you want to open.

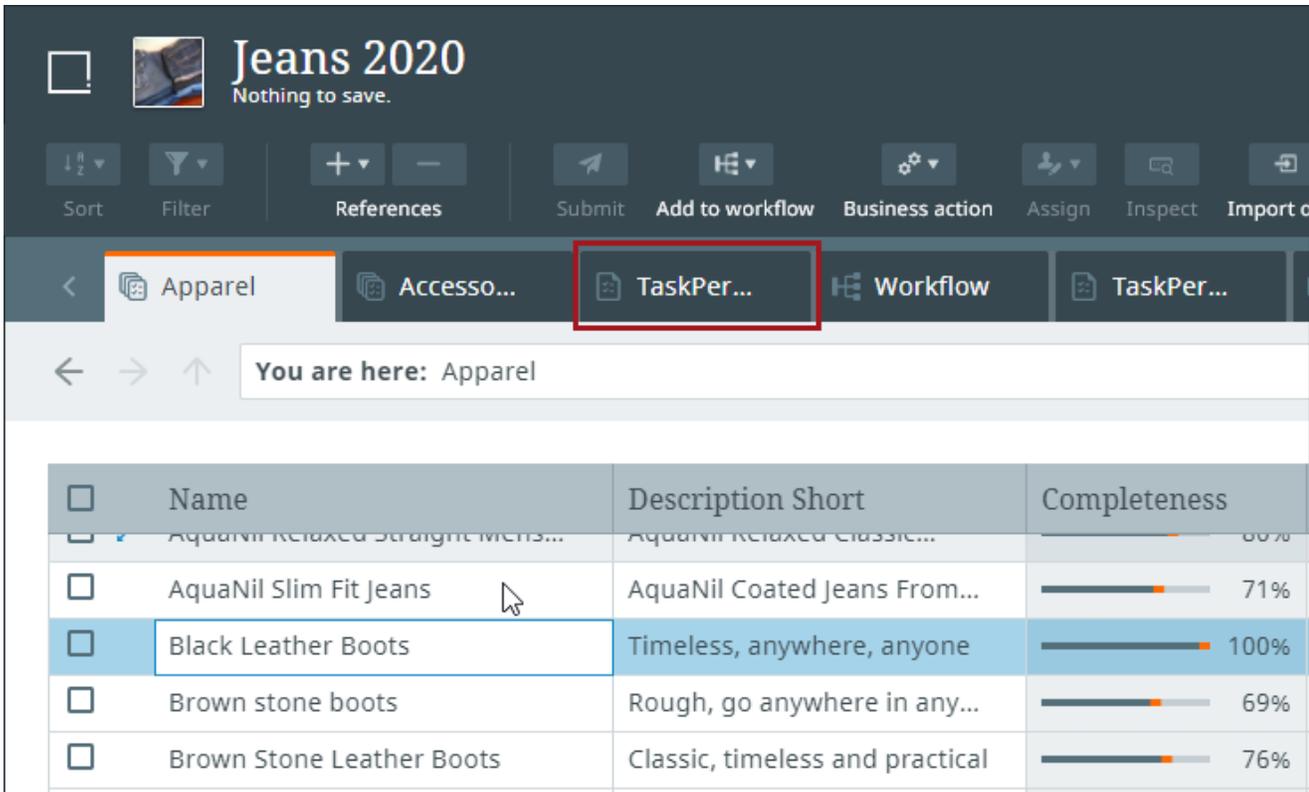


	Name of Perspective	Last edited	Owner
Supplier Data Work Area Review products proposals from suppliers for acceptance or rejection or request proposed products to be reworked by supplier before further processing.	Proposal Approval Buyer (60)	1 week 3 days	Me
Retailer Data Work Area Review onboarded products and collaborate with internal enrichment team (Marketing, Warehouse, Photo Studio) to enrich and make products ready for market.	High Priority Tasks (0)	1 week 4 days	Me
	Buyer Review (2)	3 months 3 weeks	Me

Alternatively, you can click the work area image and it will open the last perspective you looked at within that work area.

Perspectives Screen

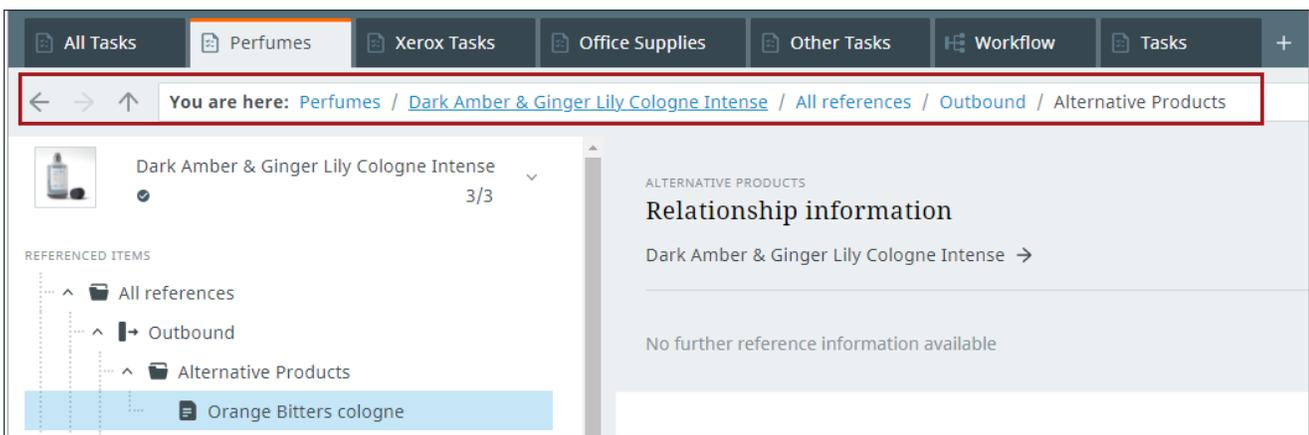
From the perspectives screen, you can navigate between different perspectives in a given work area by selecting the perspective's tab.



Breadcrumb Bar

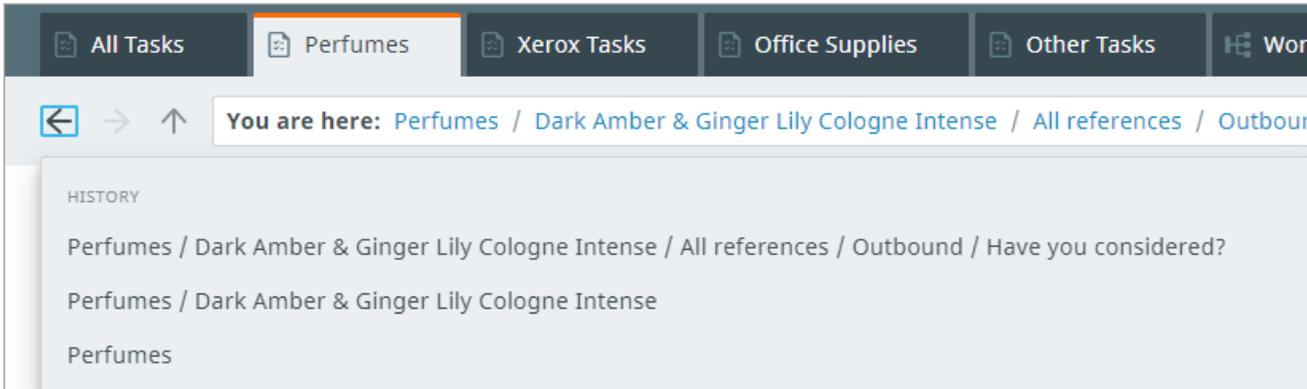
For easy navigation, the breadcrumb bar shows you breadcrumbs of where you are within a Tasks perspective. References are also reflected in the breadcrumb, if applicable.

Navigating breadcrumbs is described below.



On the breadcrumb bar, you can:

- Navigate through the hierarchy by using the left, right, and up arrow buttons to the left of the breadcrumbs.
- Select different reference types within the navigational breadcrumb pages.
- Hold the right and left arrow buttons down to display a history of where you have been within the perspective (as shown in the example image that follows).



Note: Preset work area and perspective configurations set by admin users become the default settings for assigned user groups. Columns and filters set by admins display to users. Admin-defined filters cannot be deleted or overwritten by users once set. A tool tip message displays stating, 'You cannot overwrite admin configurations.' However, custom settings such as zoom, additional filters, and column width can still be manipulated and maintained by users in preset perspectives. Upon saving these changes, the 'Reset to default' feature is enabled which allows users to revert to default settings defined by admins. Preset work areas can be duplicated and further customized by users in the duplication. Custom work areas, identified by a 'Custom' label above the work area name, are configured by the user and are customized based on user preferences and privileges.

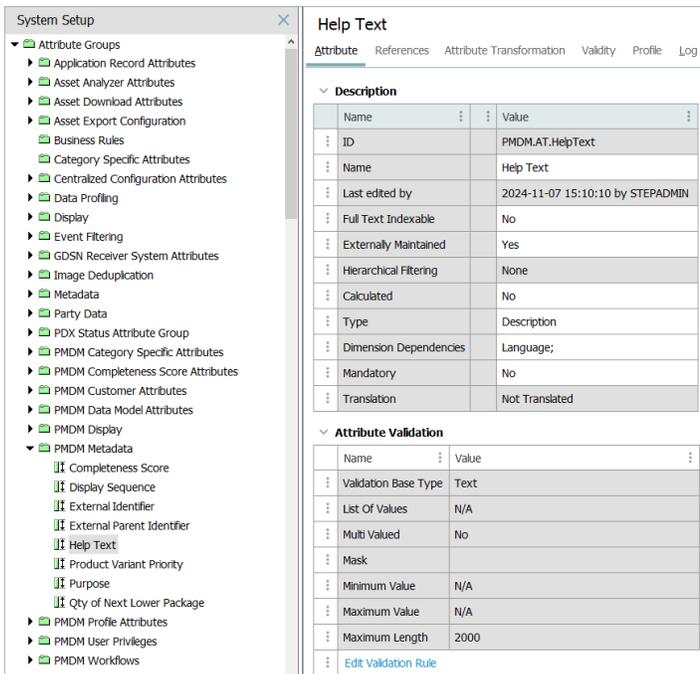
Help Text Tool Tip

A help text tool tip can be configured for assets, references, and data container type fields and is used to guide an end user by giving context for enriching data. An icon () will be displayed next to any fields with the help text field enriched and hovering over or clicking on the icon will allow the user to view the help text. It can be seen throughout Instrument; for example, table headers, attributes table of the details view, and reference headers on Reference tab pages.

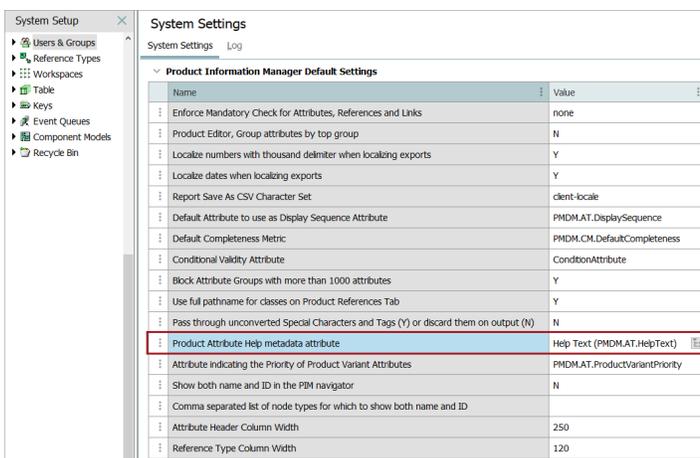
Help Text Tool Tip Configuration

How to configure a help text tool tip is described below:

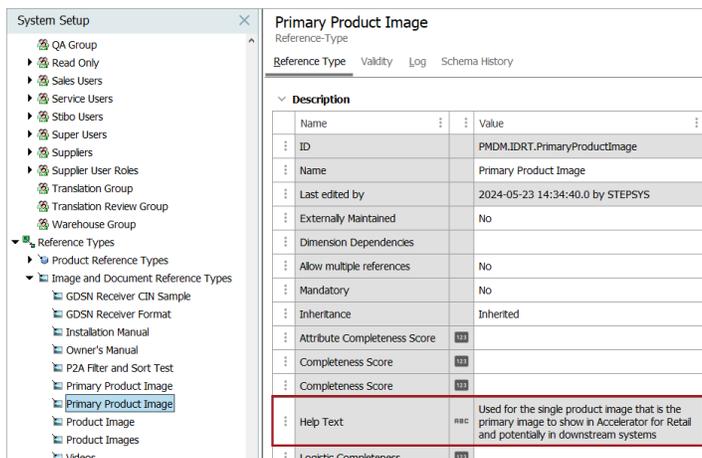
1. In STEP Workbench, create a metadata attribute with a 'Text' validation base type. Refer to the Creating Attributes topic in the System Setup documentation for more information.



2. Navigate to **Users & Groups** in the System Setup menu, and under the System Settings tab, verify the value of the variable under the 'Product Information Manager Default Settings' flipper of 'Product Attribute Help metadata attribute' is set with the attribute created in [step 1](#).



3. Navigate to the asset, reference, or data container field needing the help text. Find the 'Help Text' variable and enter the Help Text message as the value.



4. In Instrument, navigate to the perspective utilizing the field with the help text configured. Verify the help text by hovering over or clicking on the help text icon (•) next to the configured field to display the help text.



Toolbar

The toolbar, which runs horizontally above the perspective tabs, holds the bulk of the functionality available in the perspectives. The toolbar buttons display contextually, meaning they display based on the perspective being viewed or the actions taken by the user. This results in display of only those options likely to be related to the tasks at hand.



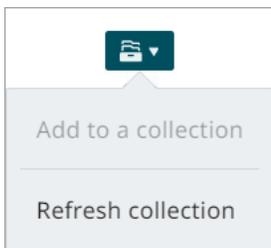
For instance, when viewing a collection, the 'Assign' button does not display, as the 'Assign' button can only be used to assign tasks to other users. As tasks do not reside within collections, there would be nothing to assign. Further, while viewing an appropriate perspective (Tasks perspective in this case), the 'Assign' button will not be active (clickable) until at least one item has been selected, as a task upon which to execute the action must first be indicated in order to assign it to a different user.

Each button available in the toolbar is listed and described below, with links to button-specific topics if available. Additionally, all topics related to the toolbar buttons can be found beneath this topic.

Each button is available in the Browse, Tasks, and Collections perspectives, unless stated otherwise.

- Sort** - Enables users to sort the table data in alphabetical order based on any selected column. Details can be found in the [Sorting](#) topic.
- Filter** - The Filter toolbar button allows users to manage the display of data in a table to present the information in a more meaningful way. For example, if a user wants to show only list items that have content in a specific column, they may select the relevant column, select the 'Not Empty' option from the condition dropdown, and apply the filter. Go to the [Filtering](#) topic for more on this functionality.
- Create** - The Create toolbar button allows users to create a new object and immediately initiate that object into a workflow within a Tasks perspective. Go to the [Creating and Initiating a New Object within the Tasks Perspective](#) topic for more on this functionality.
- References** - The '+' (Add) button is for adding references. The '-' (Remove) button removes a selected reference. 'Remove' is also an option under the Items > References menu and only becomes enabled (in both places) when working within an existing reference in a reference table. Go to the [References](#) topic for information on reference tables.

- **Inspect** - This action allows you to inspect the details of selected references.
- **Submit** - Allows users to submit a selection of one or more items in the table to the next step in the workflow. Available in the Tasks and Browse perspectives.*
- **Add to workflow** - Make a selection from the table and click the Add to workflow button to display a dropdown containing the names of all workflows configured on that system. Locate the desired workflow and click it. The selected items are then added to the workflow. Workflows listed in black text can be submitted to, while those in gray cannot. Available in the Tasks and Browse perspectives, as well as the Search screen.*
- **Assign** - When viewing workflow tasks in a Tasks perspective, users can select tasks / items in the table, and then assign them to themselves, other groups, or other users. This button is only available in the Tasks perspective.*
- **Collection** - This dropdown allows users to handle collections in the following ways:



- **Refresh collection** - This action is specifically designed for search-based collections. This action updates a search-based collection to reflect the latest data in the system. When you click refresh, the system re-runs the original search criteria associated with the collection, removes all previously linked nodes, and adds the updated set of nodes that match the search results. Use this feature when the underlying data has changed and you want the collection to include the most current nodes. This option is available only for search-based collections and *not* for static collections or collection groups. The refresh process runs in the background, so updating large collections may take some time. Once the collection has been refreshed, the user receives a notification. Clicking the Go to perspective link in the notification takes the user directly to the updated collection.
- **Master product** - These actions allows users to manage master product families and add products to them. Refer to the Managing master products topic for more details. Available in the Tasks, Browse, and Collection perspectives. This button will only appear for users of the Accelerator for Retail solution.

- **Categorize** - Select one or more products to move to another locations in the product hierarchy. Refer to the Categorizing objects topic for more details. Available in the Task, Browse, and Collection perspectives. This button will only appear for users of the Accelerator for Retail solution.
- **PDX channels** - Clicking this option allows you to select 'Add to PDX channel' or 'Remove from PDX channel' to one or more products in perspectives table. The PDX channel solution in Instrument supports business processes to be executed before the actual syndication takes place. Refer to PDX Channels Setup for more details.
- **Business action** - With one or more items selected from the table, click the Business action button to apply a pre-configured business action to that selection. The Business action button's dropdown displays business actions that can be applied to the item(s) in the selection. Business actions listed in black text can be applied to the selection, while those in gray cannot. Hover the cursor over each business action for additional information. Find the desired business action and click it. Subject to the business rule configuration and the selected items' suitability, the items in the selection will then have the business action applied to them. Available in the Tasks and Browse perspectives, as well as the Search screen.*



Note: Admin users have the ability to determine which business actions are available to users when the Business action button is selected. Information can be found in the Setting business action availability topic in the Administration section.

- **Approve** - Select one or more items to enable and use the 'Approve' button. Go to the Approving data topic for more about approving items and selection maximums that apply to this action.
- **Export** - Make a selection from the table and click the Export button to export (based on an export configuration) the configured attributes and references displaying on the screen. The export is sent to a background process where it is listed in the notification center. Click the 'Download file' link at the bottom of the export listing to open the file with the exported data. Refer to the Exporting data topic for more details and important information around selection maximums that impact this action.
- **Import data** - Using an import configuration, import product data by uploading an import file. A background process is created that imports the data. Any applicable notifications are shown in the notification center, and an execution report provides you with import details (including any error info, if applicable). Refer to the Importing data topic for more details.

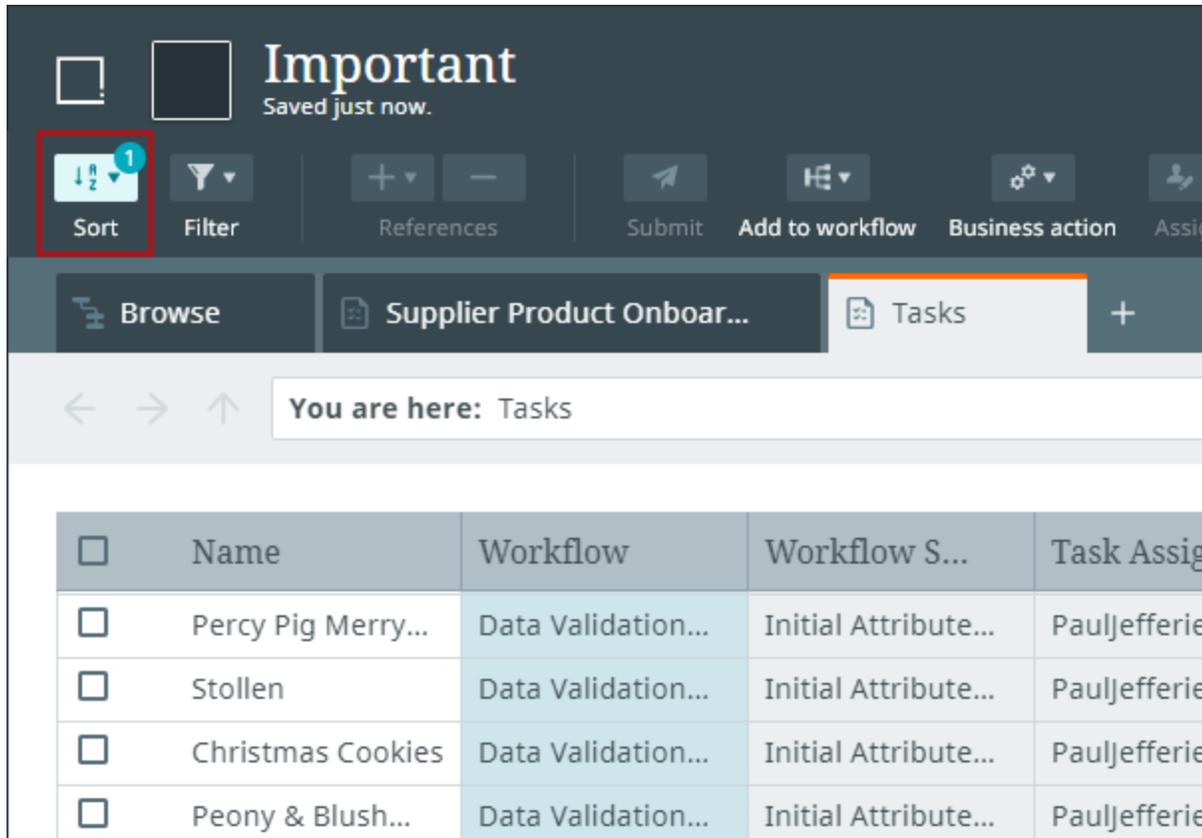
- **Zoom level** - Users can specify the height of each row in the table by adjusting the zoom level. Doing so may reveal more information that may otherwise have been hidden if contained within a smaller cell.
- **Customize** - This toolbar button opens a dialog that enables users to configure their view of the table by selecting which columns to display. Refer to the Customizing columns topic for more on this functionality.
- **Details** - Allows users to toggle between a list view (default) and a details view. The list view shows a list of items in a table, while the details view lists the items in a column on the left side of the screen and shows product details on the right side of the screen.

**This action has a limit of 50 items and will be disabled when you have more than 50 items selected. This limit is only temporary and will be increased in the future.*

Sorting

One or more fields can be sorted by ascending or descending alphabetical order. This makes it easier for you to find a group of tasks easier. For example, you may want to sort tasks based on task assignee, task status, or task deadline.

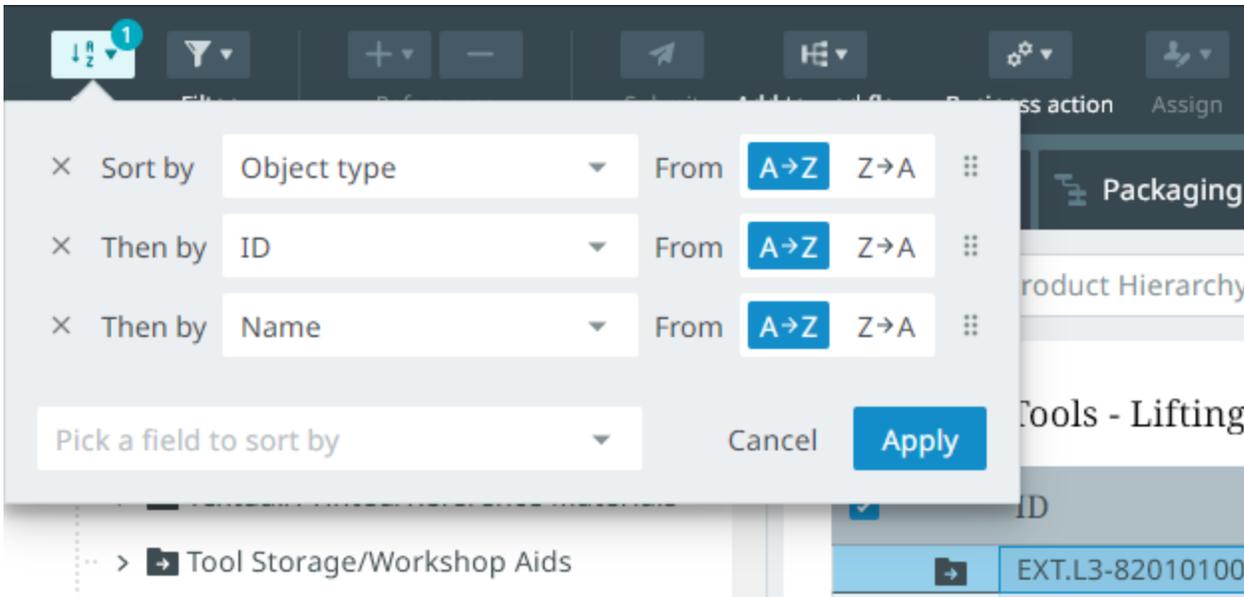
To sort a perspective, select Sort from the toolbar.



In the sort menu that appears, browse or search for the desired field and specify whether it should sort by ascending or descending alphabetical order.

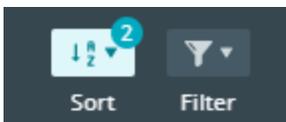
Note: You can only sort on attributes and aspects.

If you configure the perspective to sort by multiple fields, it will sort them in order of appearance on the Sort by list. This order can be changed by dragging and dropping the fields with the drag handles. For example, in the below image the perspective sort priority is Workflows first, then Name, and finally Object Type.



Note: Ascending / descending order for the Approval Status column is done by status and not alphabetically. For example, ascending order is as follows: Approved, Approved in current context, Partially approved, Not approved. Any objects that have an empty (none) Approval Status, which could be the case if there are unrevisable objects in the list, will appear at the bottom of the list for ascending order and at the top of the list for descending order.

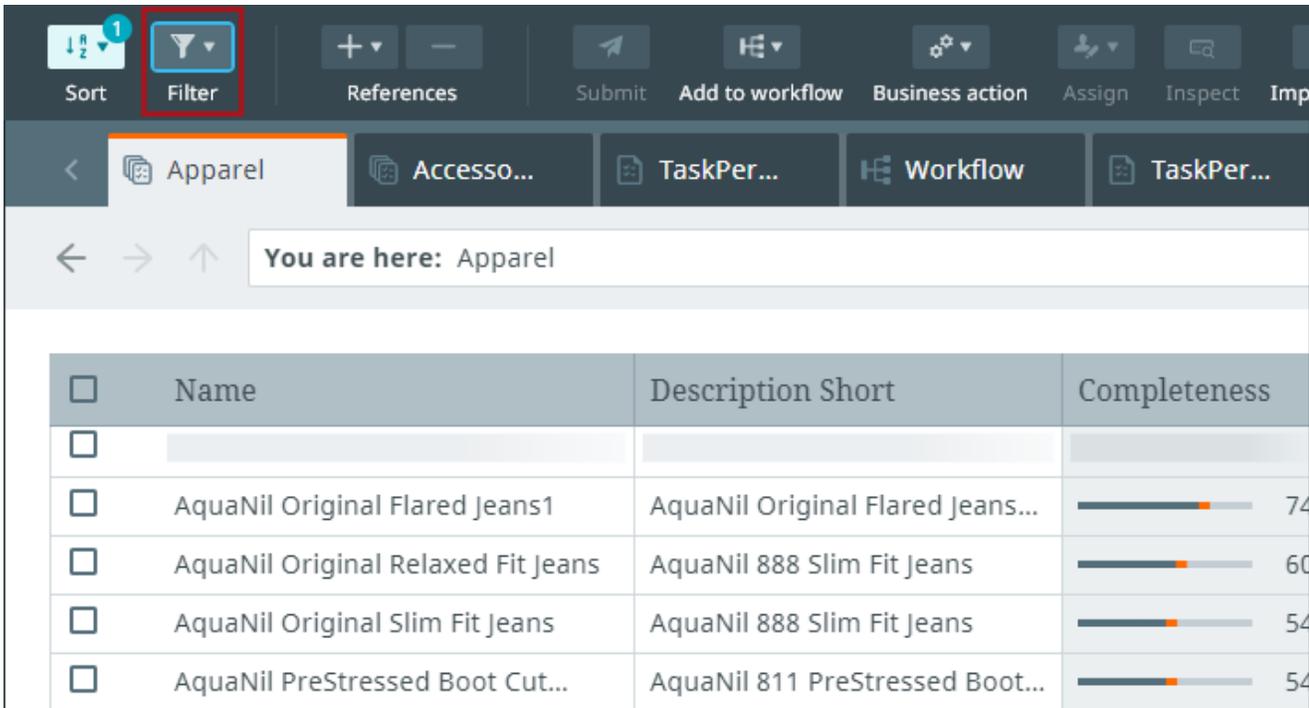
The number indicator over the sort button indicates how many fields are being sorted on.



Filtering

One or more fields can be filtered with different parameters, which allows you to quickly locate the tasks that require special attention. For example, you may want to filter tasks based on those that are assigned to you, tasks with a priority status, or those with the most urgent deadline.

To add a filter to a perspective, select Filter from the toolbar.



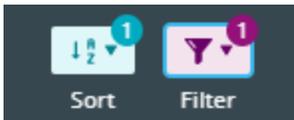
1. In the filter menu that appears, browse or search for the desired field.
2. Specify the filter logic by selecting 'Contains,' 'Does not contain,' 'Is,' or 'Is not.'
3. Enter text to filter on.

As an example, if you select the field 'Name' and the logic 'Contains,' then enter 'Boots,' the perspective will only show products that contain 'Boots' in the 'Name' field.

If you are filtering on multiple fields, an additional 'And/Or' dropdown appears to the left of the second filter from the top. Selecting 'And' forces the perspective to show only those products to which all filters apply, while 'Or' will show products to which at least one of the filters applies. Filtering with 'Or' works best in conjunction with Assignee, State, Workflow, and StatusFlag, while 'And' should be used for all other filter combinations.

 **Note:** 'And' and 'Or' cannot be used in combination.

The number indicator over the filter button indicates how many criteria have been applied.



Creating and Initiating a New Object within the Tasks Perspective

Instrument allows users to create a new object and initiate that object into a workflow using the 'Create' button from within a Tasks perspective. The object can be edited immediately, directly from the Tasks perspective in which the object was created. Review the Create Toolbar Button Setup topic to review the setup required to use this button.

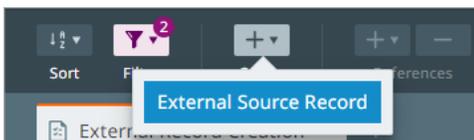


The 'Create' button will be disabled if any of the following scenarios are true:

- One or more objects are selected within the table.
- The details view is selected to view the objects.
- The Tasks perspective filter does not include a workflow defined in any of the 'object creation' actions in the Configuration tool. For additional information, refer to the Configuration Tool Actions topic.
- User does not have privileges to create objects with the object type defined in the 'object creation' actions.

Using the Create Button

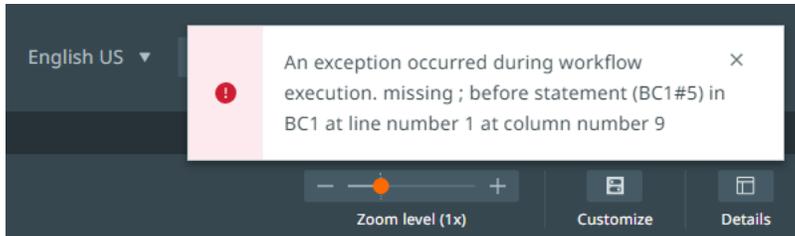
After clicking on the 'Create' button, the relevant object types will be listed in the dropdown. Relevant object types include object types that have an 'object creation' action that includes the same workflow defined for the Tasks perspective.



The objects created using the 'Create' button will immediately be shown below in the Tasks perspective. The columns can be populated by directly typing into each cell or selecting and dragging from another populated cell within the same column.

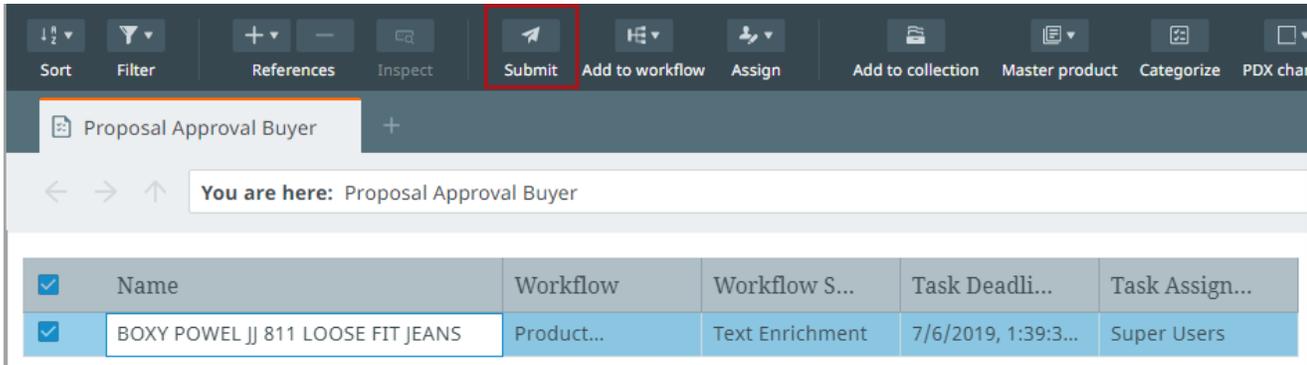
Workflow Execution Exception

The 'Create' button allows the user to both create an object and initiate it into a workflow. If the workflow has any trouble initiating any of the new objects for any reason, 'an exception occurred during workflow execution' message will be displayed, and not only will the object not be initiated into the workflow, but the object will not even be created.



Submitting Tasks

To submit tasks, select a single task or multiple tasks from a Tasks perspective and click the Submit button.



Tasks that are in a workflow state with only one transition (or several transitions with the same name) are immediately submitted when the user selects 'Submit' in the toolbar. However, if several unique transitions are available for the task(s), the submission menu appears, prompting you to select which state(s) to submit the task (s) to.

Submit your selected items ×

Items submitted

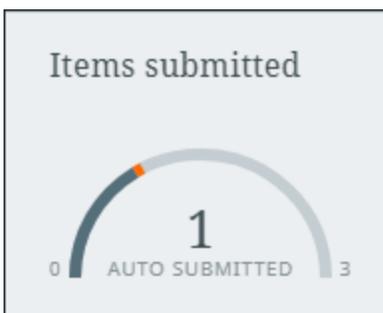


WORKFLOW

Generic Lifecycle Workflow

<input checked="" type="checkbox"/>	State: 2nd Review	Selected: 1	Submit to
<input checked="" type="checkbox"/>	Ultraboost 20 S Shoes		<input checked="" type="radio"/> Add References <input type="radio"/> Approve <input type="radio"/> Reject

The submission gauge informs you how many total items have been submitted (the number on the right-hand side of the gauge) and how many of those items automatically passed into the next state(s) of the workflow (the number above the words 'AUTO SUBMITTED'). Using the below image as an example, one product automatically passed to the next state of the workflow out of a total of three.

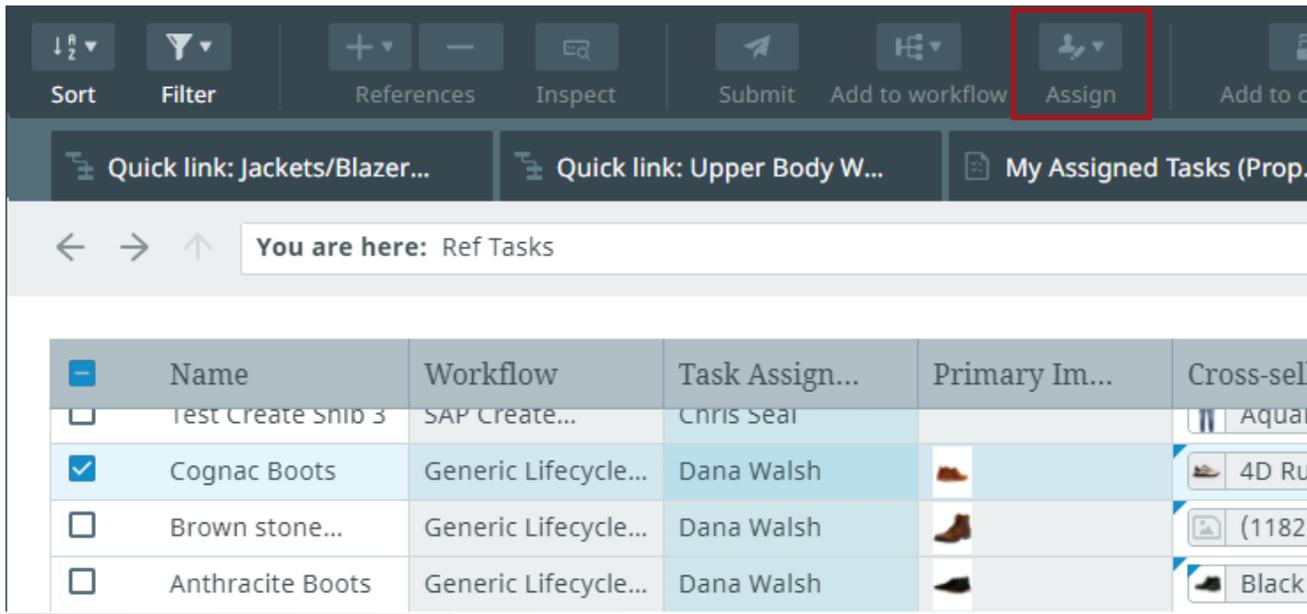


If all is well and you submitted the task(s), a confirmation message will display once the task has moved to the next state(s). However, if there are outstanding issues with the task that need to be addressed, you will be prevented from submitting them and an error message will display.

 1 tasks not submitted 

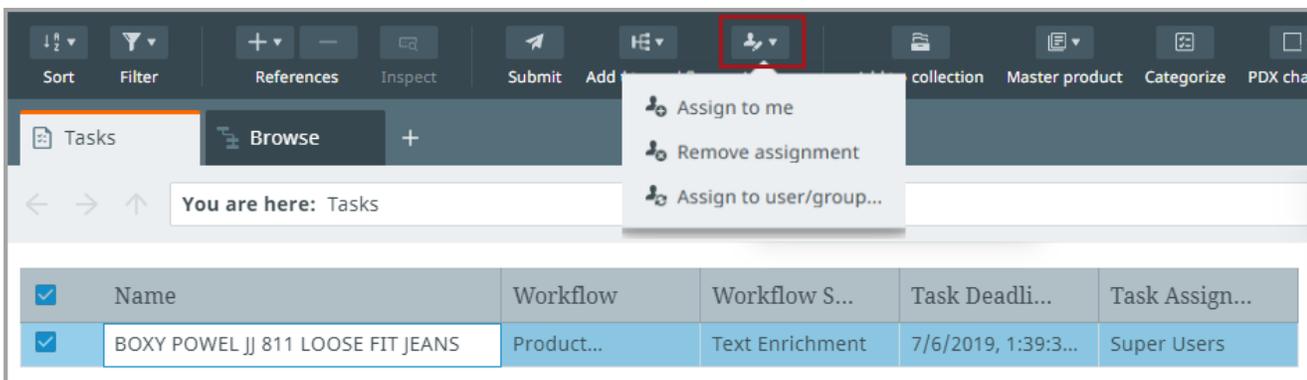
Assigning Tasks

You can use the Assign button to assign a task to yourself or others, remove an assignment, or assign a task to a group. To assign tasks, select one or multiple tasks from a Tasks perspective and click the Assign button.



A context menu displays, allowing you to select how to change the task's assignments.

- Selecting Assign to me will assign the task(s) to you
- Selecting Remove assignment will remove the assignee from the task
- Selecting Assign to user/group will open up an assignment menu where you can select a user or group



Importing Data

From within a perspective, you can import data using the 'Import data' option available from the toolbar:



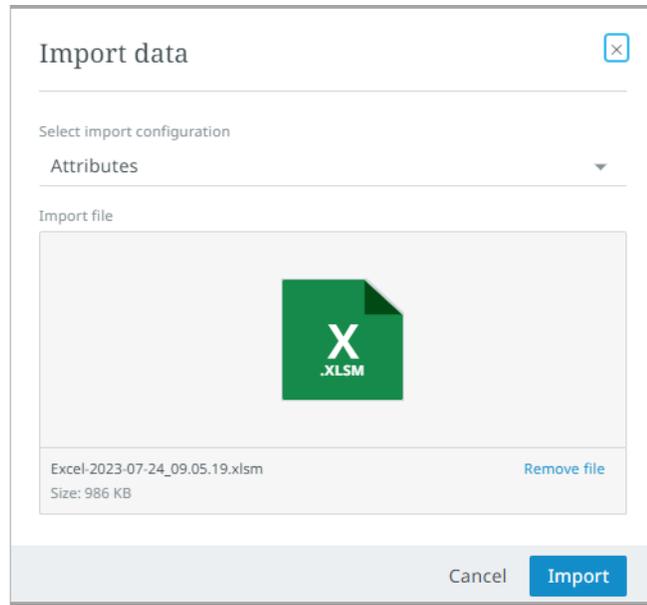
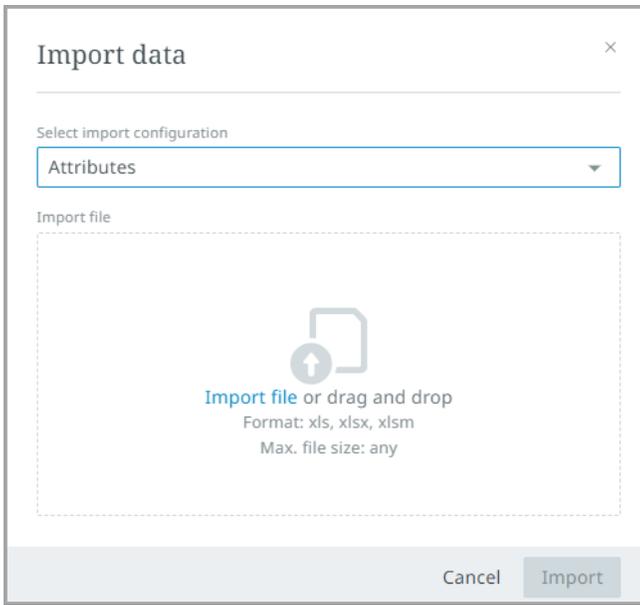
Additionally, for onboarding new products or editing existing ones, using a template configuration, you can import data from a Smartsheet using the same import method—no additional configuration within Instrument is required. For more information regarding Smartsheets, they are explained in detail within the Excel Smartsheet Format section of the Data Exchange documentation.

Importing Steps

Select an import configuration that you have previously set up in the STEP Workbench. For importing Smartsheets, refer to the Smartsheet Import Configurations topic in the Data Exchange documentation to learn more about Smartsheet templates.

Configurations are searched and accessed using the 'Select import configuration' dropdown. Recently used configurations (for example, Attributes—as shown below) will display in the dropdown.

Important: If a Smartsheet is uploaded that contains an import configuration, it will override the user selected import configuration.



Note: Hidden rows will be skipped upon import when importing Smartsheets. No configuration is needed.

Once the file is selected and you select 'Import,' the import is sent to a background process that is listed in the notification center along with any generated error files or other notifications that show actionable feedback. For example, to view the background process, click the 'Download execution report' link at the bottom of the import listing to open the 'Background processes ▶ Importer' page to view more details, or click 'Download error file' to identify issues (examples shown below).

Search    

Notifications

5 notifications [Dismiss all](#)

-  **ProductImport.xlsx was successfully imported** 4 minutes ago
Check the execution report for more details.
[Download execution report](#)
-  **ProductImport.xlsx was partially imported**
Check the execution report for more details.
[Download execution report](#)
-  **Export file successfully created**
1 items exported successfully from "Instrum"
[Download file](#)
-  **Items added**
2 items have been added to collection: "Inst"
[View collection](#)
-  **Items added** 3 months ago
2 items have been added to collection: "References"
[View collection](#)

Notifications

7 notifications [Dismiss all](#)

-  **Import Excel-2023-07-24_09.05.19.xlsxm generated errors** 7 minutes ago
Check the error file for more details.
[Download error file](#)
-  **Excel-2023-07-24_09.05.19.xlsxm was partially imported** 7 minutes ago
Check the execution report for more details.
[Download execution report](#)

Background processes ▶ Importer

Import: ProductImport.xlsx by Attributes

Created by: 2023-06-07 01:45:55

ID	BGP_3186455
Status	Succeeded
Progress	<div style="width: 100%;"><div style="width: 100%;"></div></div> 100%
Execution server	instrument.stibo.com
Started	2023-06-07 01:45:59
Finished	2023-06-07 01:45:59
Elapsed	0 s
Time in queue	4 s
# of warnings	0
# of errors	0

Type	Description
Info	Retrieval started (Wed Jun 07 01:45:59 CEST 2023)
Info	Retrieved 8668 bytes (Wed Jun 07 01:45:59 CEST 2023)
Info	Conversion started (Wed Jun 07 01:45:59 CEST 2023)
Info	Converted 2 objects (Wed Jun 07 01:45:59 CEST 2023)
Info	Logged on
Info	Mapping started (Wed Jun 07 01:45:59 CEST 2023)
Info	Mapping completed (Wed Jun 07 01:45:59 CEST 2023)

Exporting Data

From within a perspective, you can export data using the 'Export' option available from the toolbar:



You can also export a Smartsheet template using the same method—no additional configuration required. For more information regarding Smartsheets, they are explained in detail within the Excel Smartsheet Format section of the Data Exchange documentation.

Exporting Steps

Select one or more items from the table noting the information below:

Note: Server-side actions (those that run as a background process) within the perspectives work with the following selection maximums:

- i
 - Individual selections (single or multiple) – up to 500 items
 - Select All – up to 100,000 items

Next, select an export configuration that you have previously set up in STEP Workbench. For example, before a Smartsheet can be downloaded and edited, a Smartsheet data export or template configuration must be created in the Export Manager. Refer to the Smartsheet Data and Template Configurations topic in the Data Exchange documentation.

Recently used configurations (shown below) will display in the dropdown. Once a selection has been made, click the Export button from the toolbar. The context you are in is the default that will be used when exporting data.

Export

Export **2 items?**

Export configuration

Perspective view - configuration

Export format: **Excel**

Objects will export with attributes and outbound references configured in the view.
Though product duplicates may display in the table, only one instance of a product will export.

Cancel **Export 2 items**

Export

Export **3 items?**

Export configuration

SmartsheetExport

Export format: **Smartsheet**

Though product duplicates may display in the table, only one instance of a product will export.

Cancel **Export 3 items**

The export is sent to a background process where it is listed in the notification center.

When the export is done, click the 'Download file' link at the bottom of the export listing to open the export file with the exported data.

The screenshot displays the STIBO SYSTEMS user interface. At the top, there is a search bar and navigation icons for notifications (with a '1' badge), user profile, and settings. The main content is divided into two sections:

- Active processes:** Shows one active process with a refresh icon. The process is '(BGP_5140729)' and is titled 'Export perspective 'Sample Workflow (3 states) with Variables - Start' from Instrument'. It is at 40% completion, indicated by a progress bar.
- Notifications:** Shows four notifications with a 'Dismiss all' link.
 - Export file successfully created:** A green checkmark icon. Text: '2 items exported successfully from "Sample Workflow (3 states) with Variables - Start"'. Includes a 'Download file' link.
 - Import Excel-2023-07-24_09.05.19.xlsm generated errors:** A blue information icon. Text: 'Excel-2023-07-24_09.05.19.xlsm was partially imported'. Includes a 'Download error file' link.
 - Excel-2023-07-24_09.05.19.xlsm was partially imported:** A yellow warning icon. Text: 'Check the execution report for more details.'. Includes a 'Download execution report' link.
 - Smartsheet exported:** A green checkmark icon. Text: '3 items exported successfully from "Sample Workflow (3 states) with Variables - Start"'. Includes a 'Download file' link.

If you are a member of multiple supplier groups and exporting to a Smartsheet, a dropdown is automatically enabled within the Smartsheet that allows you to choose the supplier.

Approving Data

The data in STEP is logically divided into two workspaces: main and approved. The main workspace is the editable 'draft' workspace where data is initially born and enriched. The approved workspace holds approved data deemed ready for publishing.

You may need to review products (for attribution or categorization in a product hierarchy, for example), and approve products or changes to products once all the product data looks accurate. In a typical setup, data from the approved workspace is made available to downstream systems.

Data cannot be edited directly in the approved workspace. Instead, data is reflected in the workspace via an operation called approval. Approvals can be carried out manually by a user (as described in this topic) or programmatically by a business rule. Refer to the Approval of Objects topic for more information about the approval of objects.

Note: Server-side actions (those that run as a background process) within the perspectives work with the following selection maximums:

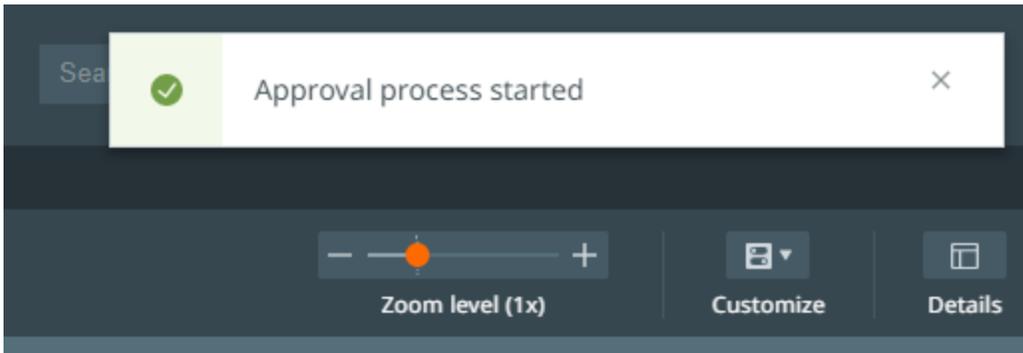
- i
 - Individual selections (single or multiple) – up to 500 items
 - Select All – up to 100,000 items

Selecting one or more items in the hierarchy or table within a task or collection enables the 'Approve' button on the toolbar. Both are shown below:

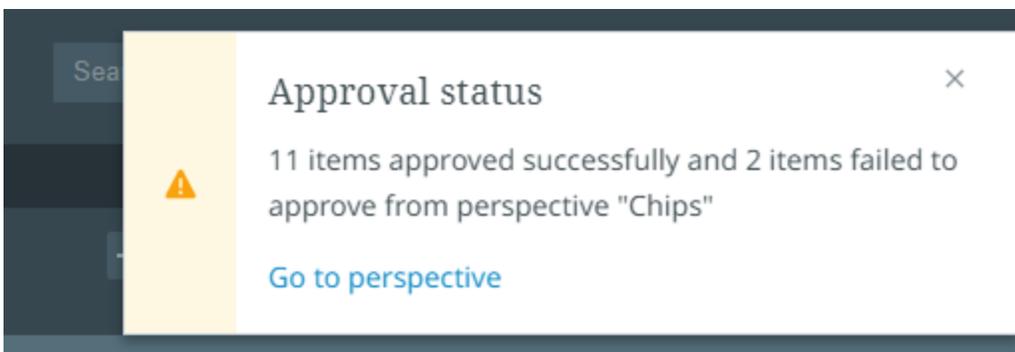
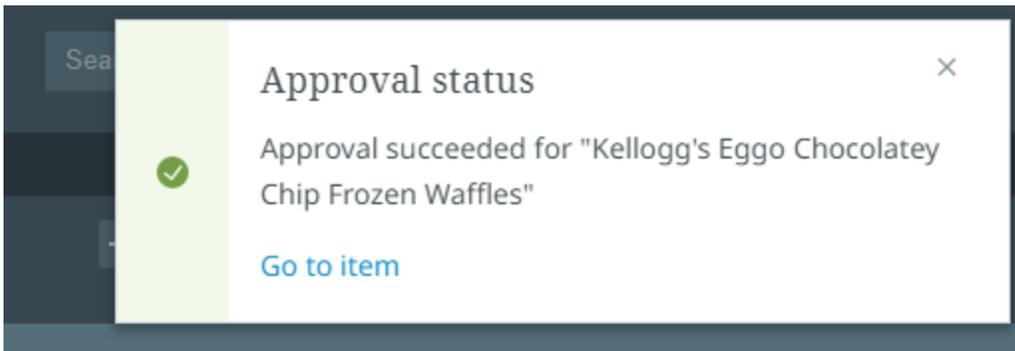
The screenshot shows the 'My work area' interface. The toolbar at the top includes buttons for Sort, Filter, References, Inspect, Submit, Add to workflow, Assign, Add to collection, Master product, Categorize, PDX channels, Business action, Approve (highlighted with a red box), and Export. Below the toolbar, there are quick links for 'Jackets/Blazer...', 'Upper Body W...', 'My Assigned Tasks (Prop...', 'Internal Product Hierarch...', and 'Upper Body Wear/Tops - ...'. The main content area shows a breadcrumb 'You are here: Headphones' and a table with columns 'ID', 'Object Type', and 'Primary Im...'. The table contains six rows of 'Print_Article' items, with the first two rows selected (checked boxes). A status bar at the bottom indicates '6 items, 2 selected'.

ID	Object Type	Primary Im...
<input checked="" type="checkbox"/> Print_Article_104409	Item	
<input checked="" type="checkbox"/> Print_Article_104410	Item	
<input type="checkbox"/> Print_Article_104411	Item	
<input type="checkbox"/> Print_Article_104428	Item	
<input type="checkbox"/> Print_Article_104429	Item	
<input type="checkbox"/> Print_Article_104430	Item	

When an approval is submitted, notification is provided:



A status is provided via a pop-up notification and will be in the notification center. The link provided in the notifications will take you back to the item or the perspective (as shown below):



In case of issues, a meaningful error displays when you approve a product. For example, if you do not have the privilege to approve the product(s), you will receive a missing privileges message in a pop-up notification or within the notification center once the approval process starts. Another example of an error message is shown below:

Sea

Approval status ×

 Approval failed for "5 Piece Stainless Steel Utensil Set" because parent object is not visible in approved workspace

[Go to item](#)

PDX Channels Setup

Instrument allows users to view, add, and remove PDX channels for one or more products in a perspective table view. This enables you to easily check if products are assigned to the desired PDX channels. If the products have not been assigned to the desired PDX channels, you can add or remove PDX channels to ensure that products will be syndicated to the correct receivers via PDX.

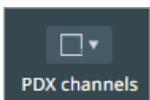
Furthermore, the PDX channel solution in Instrument supports business processes to be executed before the actual syndication to PDX takes place. This is triggered via a business action that will run when channels are either added or removed. The business action could, for example, initiate the selected products into a STEP workflow or do data quality checks and then ultimately ensure that the products get sent to PDX. Once the products are received by PDX, configured channel assignment rules will ensure that the products are assigned to the desired channels. Assignment rules must be configured in PDX.

To use the PDX channel functionality, a PDX Inbound Integration Endpoint and a PDX Outbound Integration Endpoint must be set up, and users must have the Product Data Exchange Syndication commercial license enabled. For more information on PDX, refer to the PDX Syndication section of the Data Integration documentation.

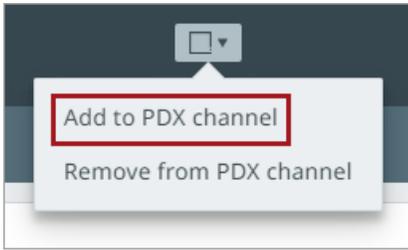
Adding a PDX Channel

To add a PDX channel to a product:

1. Select one or more products in the table. After a product has been selected, the PDX channels button on the toolbar will be enabled.

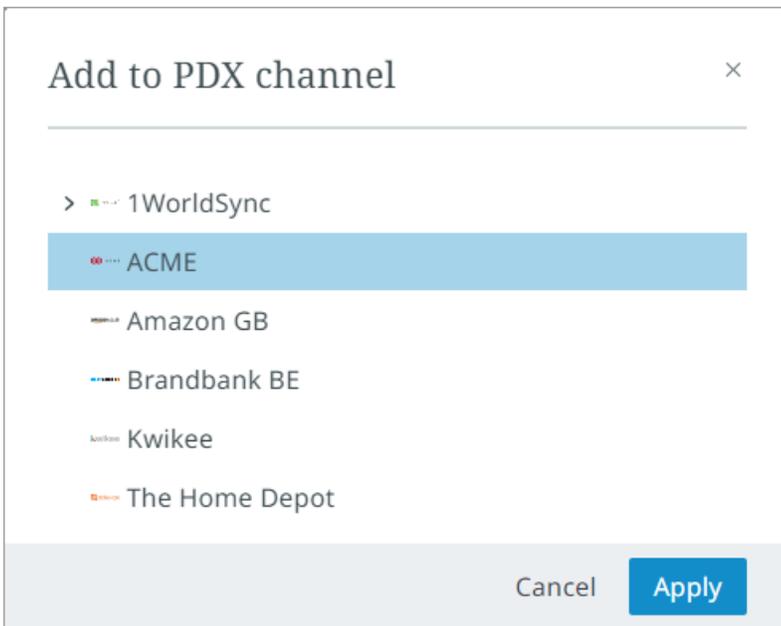


2. Click the PDX channels button.
3. Select 'Add to PDX channel.' A dialog listing available PDX channels will display.

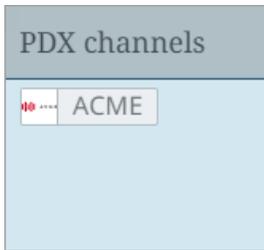


Note: PDX channels are available according to the current user. Channels may differ based upon the PDX channels available to each user.

4. Select the appropriate PDX channel. After selecting the channel, the 'Apply' button will become enabled.



5. Click 'Apply' to add the product to the selected PDX channel. A notification will display in the upper-right corner of the screen stating, 'Background process to update PDX channels has started.' When the background process has finished, another notification will display stating, 'PDX channels were updated.' To add more channels, repeat steps 4 and 5 as needed.



Note: When a channel has been added or removed, a business action will run. The type of business action triggered (quality check, workflow, etc.) is set by the user. Business actions must be set up in STEP Workbench. For more information on business actions, refer to Business Actions section of the Business Rules documentation.

Removing a PDX Channel

To remove a PDX channel:

1. Select one or more products from the product table.
2. Click the 'PDX channels' button in the toolbar.
3. Select 'Remove from PDX channel.'
4. When the PDX dialog list displays, select the channel to be removed.
5. Click 'Apply.' A notification displays in the upper-right corner of the screen stating, 'Background process to update PDX channels has started.' Once the background process has finished, another notification displays stating, 'PDX channels were updated.' The channel status then changes to 'Waiting to be removed.' When the cursor hovers over the channel, a message displays stating, 'Channel marked for removal.'



Note: The channel displays until channel removal confirmation has been received by STEP from PDX.

If an error notification displays in the upper-right corner, click the 'Go to perspective' link inside the message. The table displays a red marker next to the product with the error. Hover the mouse over the marker to display the error message. Your system administrator must make appropriate updates in STEP to fix the error.

Available PDX Table Columns

PDX table columns can display in bulk view for product managers to review channel statuses across multiple products in a table. This displays a single view for users to review when products have been syndicated successfully, added or removed from a channel, as well as other PDX channel status updates.

The two types of columns are:

1. PDX Channels: this column shows all the elected channels for a product. Each channel is displayed with a chip.
2. Individual status columns: These columns are used to select a status column for a specific channel. Once selected, the column displays the status for a product in the channel.

You can also add and change channel columns using the Customize view option. Admin can add the columns using the Configuration tool.

PDX Channel Status

When the mouse hovers over a channel, the status displays in a tooltip dialog. Each column in the table displays a product's channels and current statuses.

PDX Channel statuses:

- Progress: The product is missing mandatory attribute values
- Ready: All mandatory attribute values are present
- Submitted: Product sent. No response (yet)
- Rejected: Product failed pre-flight validations
- Returned: Product failed validations by the channel
- Accepted: Channel accepted the product received
- Multiple: The product has multiple statuses depending on the receiver
- Fetching: Fetching the retailer's version of the product record

- **Waiting to be added to channel:** The product has been added to a channel in Instrument, but is waiting to be added in PDX.
- **Waiting to be removed from channel:** The product has been removed from a Channel in Instrument, but is awaiting the removal in PDX.

ACME	Amazon GB	Brandbank...	Kwiikee
 Submitted	 Waiting to be added to channel	 Ready	 Fetching
 Accepted	 Waiting to be removed from cha...	 Multiple	 Waiting t...
 Rejected	 Waiting to be removed from cha...	 Progress	 Returned
 Accepted	 Returned		

Each status displays with a specific icon, shown in the above example.

 **Important:** You should never manually manipulate PDX data containers in STEP. Doing so could result in functionality errors for both PDX and Instrument.

Executed Business Rules After Adding and Removing Channels

 **Note:** The following functionality is managed by configuration properties that are not available in the Self-Service UI. Contact Stibo Systems Support for assistance.

Once you make a change to the target channel list for a product (adding or removing channels), a business rule will run. This allows customers to customize actions triggered. For example, this could be a business rule that triggers a STEP workflow where data quality checks and additional data maintenance can be conducted. The ID of the business action must be configured via the below configuration properties:

- PDX.BusinessAction.AddChannels
- PDX.BusinessAction.RemoveChannels

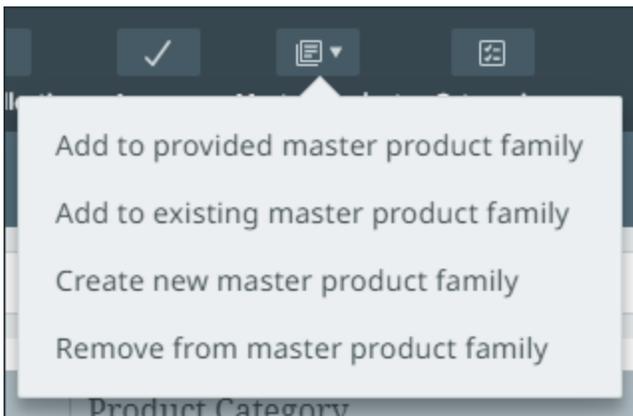
The purpose of business actions is to ensure that desired business processes (like running workflows and performing data quality checks) are executed. Also, the business action allows updates to an attribute with the added / deleted channels. Having such an attribute on products is helpful for users to utilize the channel assignment rules in PDX. The attribute must be added to the products separately and must also be syndicated to PDX. After syndication, the PDX channel assignment rules must be configured to use the attribute.

 **Important:** The actual export of the product data to PDX via the PDX Outbound Integration Endpoint can be triggered via creating a derived event or an approve event.

Managing Master Products

Available for implementations that also make use of the Accelerator for Retail solution, the Master Product button allows users to add products to or remove products from a designated master product. The actions provided by this button include:

- **Add to provided master product family** - This action adds the selected product(s) to a master product family provided by a pre-configured attribute.
- **Add to existing master product family** - This action adds the selected product(s) to a master product family that you choose.
- **Create new master product family** - This action creates a new master product family and automatically adds the product(s) you have selected to it.
- **Remove from master product family** - This action removes the selected product(s) from their master product family.

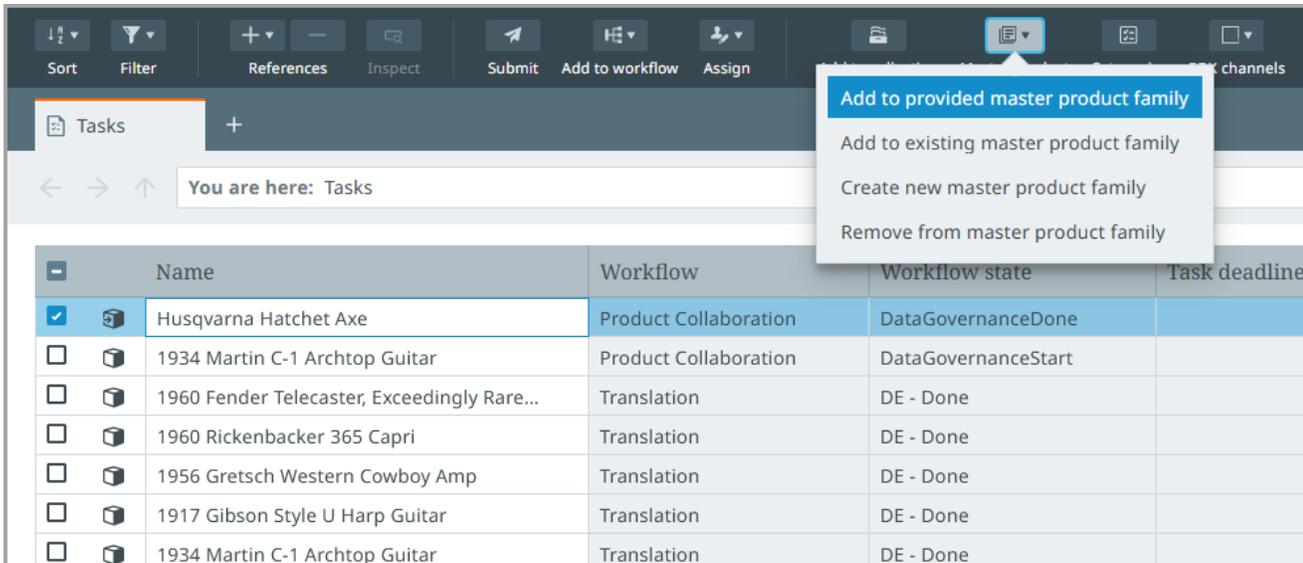


Note: The master product ID attribute, as well as the business actions that drive this functionality, are provided through the Accelerator for Retail package.

Important: These actions support the Accelerator for Retail solution, and are therefore only available for internal source records that are currently in the Internal Record Creation workflow.

Add to Provided Master Product Family

If the product that you want to add to a master product already has the master product ID mapped as an attribute, you can use the 'Add to provided master product family' action. When applied, the system will check for an existing master product with the specified ID, and if one does not exist, it will create a new master product. In either case, the selected product will become a variant of that master product.



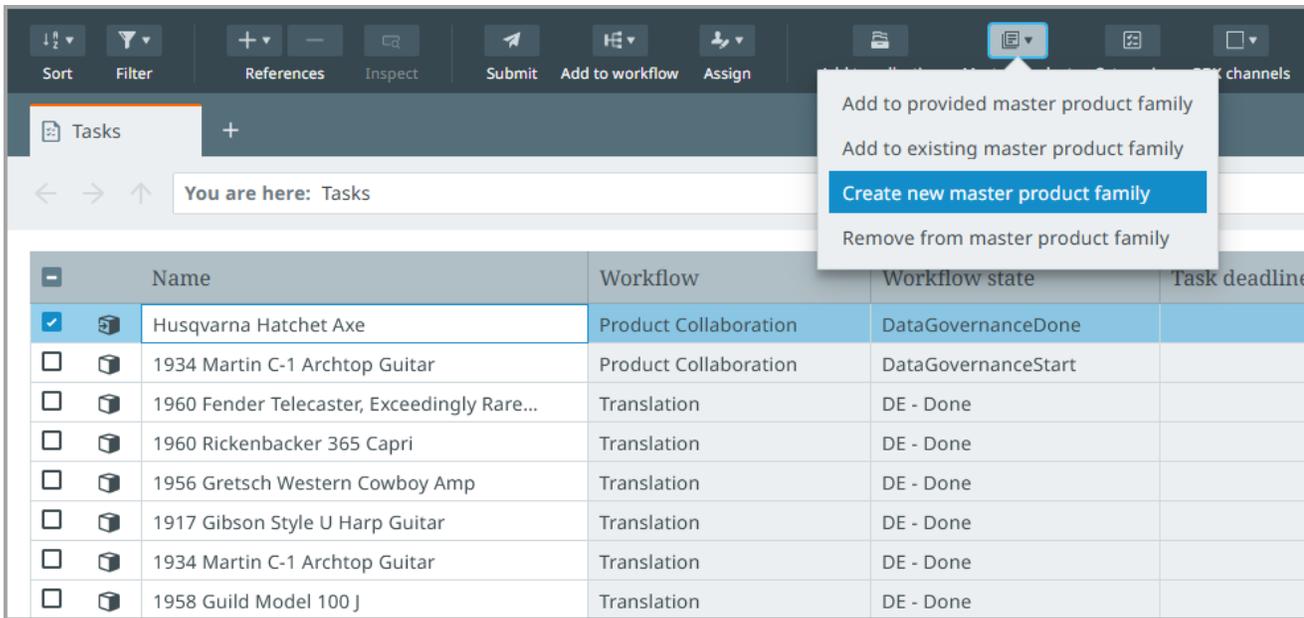
Add to Existing Master Product Family

If the product that you want to add to a master product family does not already have a master product ID mapped, you can use the 'Add to existing master product family' action. Once selected, a item picker will appear prompting you to choose a master product family to add the product to.

If adding multiple products at once, the selected master product must be in the same product category as all of the products you wish to add as variants.

Create New Master Product Family

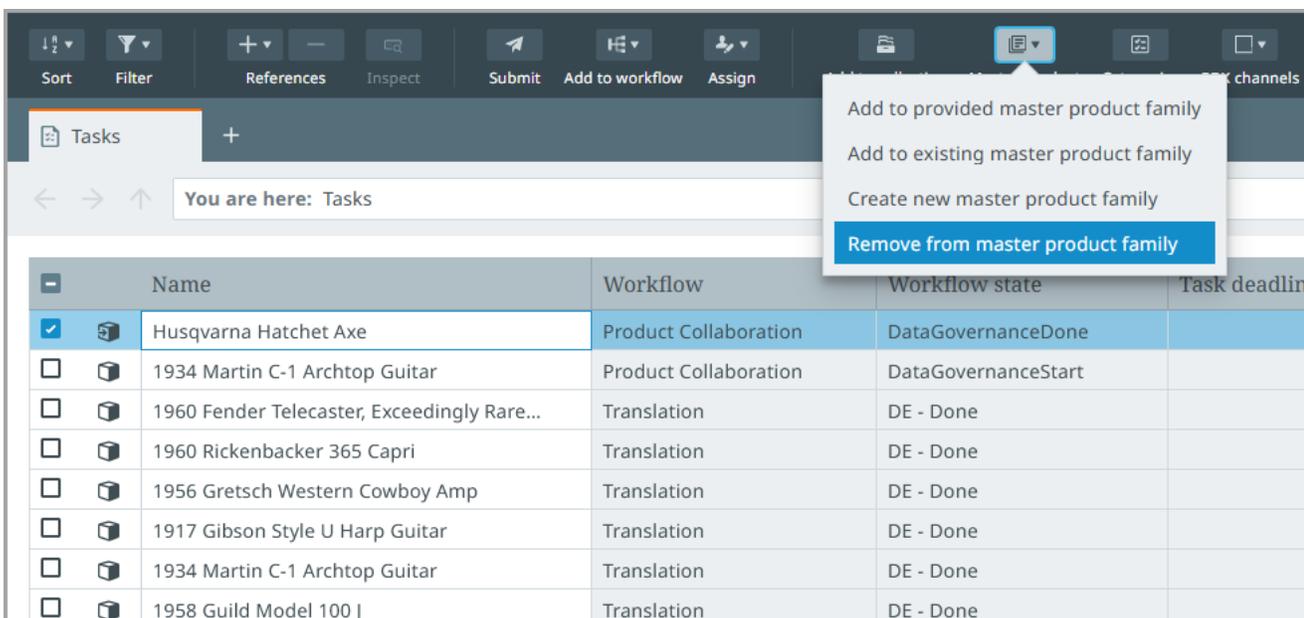
If you need to create an entirely new master product family, you can do so by selecting one or more relevant products and clicking the 'Create new master product family' action. When applied, a new master product family will be created and the system will automatically add the selected product(s) to it.



If adding multiple products at once, the newly created master product must be in the same product category as all of the products you wish to add as variants.

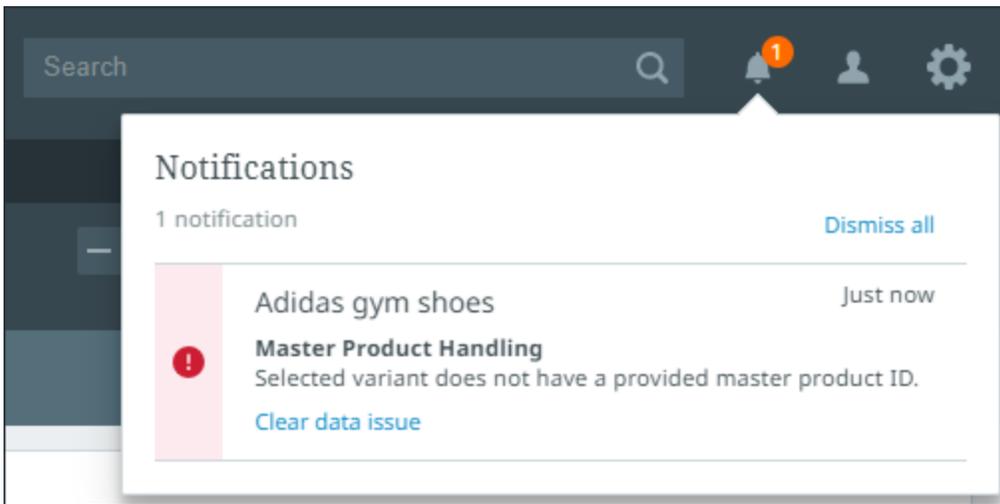
Remove From Master Product Family

If you need to remove a product from a master product family, select the desired product and click the 'Remove from master product family' action.



Error Handling

Errors related to these actions will appear in the notification center. However, unlike other errors you may encounter, errors resulting from these actions can be hidden from the interface by clicking the 'Clear data issue' text.

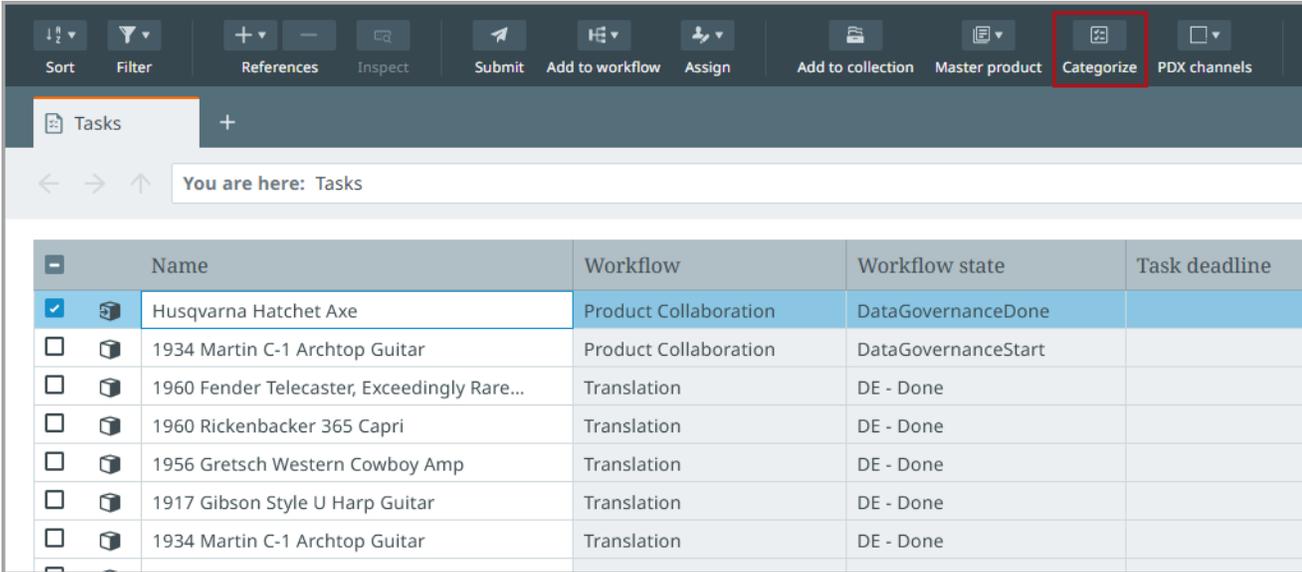


For more information, refer to the Utilities topic.

Categorizing Objects

Available for implementations that also make use of the Accelerator for Retail solution, the Categorize button enables users to move objects from one place to another.

To move objects from where they reside to a new location, select the object(s) in either the Tasks, Collections, or Browse perspectives and click the Categorize button from the toolbar.



The screenshot shows the STIBO SYSTEMS interface. The toolbar at the top includes buttons for Sort, Filter, References, Inspect, Submit, Add to workflow, Assign, Add to collection, Master product, Categorize (highlighted with a red box), and PDX channels. Below the toolbar, the 'Tasks' perspective is active, showing a breadcrumb 'You are here: Tasks' and a table of tasks.

	Name	Workflow	Workflow state	Task deadline
<input checked="" type="checkbox"/>	Husqvarna Hatchet Axe	Product Collaboration	DataGovernanceDone	
<input type="checkbox"/>	1934 Martin C-1 Archtop Guitar	Product Collaboration	DataGovernanceStart	
<input type="checkbox"/>	1960 Fender Telecaster, Exceedingly Rare...	Translation	DE - Done	
<input type="checkbox"/>	1960 Rickenbacker 365 Capri	Translation	DE - Done	
<input type="checkbox"/>	1956 Gretsch Western Cowboy Amp	Translation	DE - Done	
<input type="checkbox"/>	1917 Gibson Style U Harp Guitar	Translation	DE - Done	
<input type="checkbox"/>	1934 Martin C-1 Archtop Guitar	Translation	DE - Done	

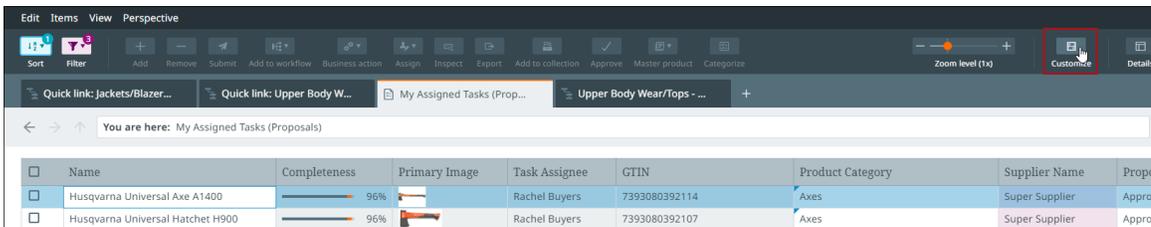
Next, using the item picker that displays, select the new desired location in the hierarchy. Once the selections are confirmed in the item picker dialog, the product(s) will move to the designated location.

Customizing Columns

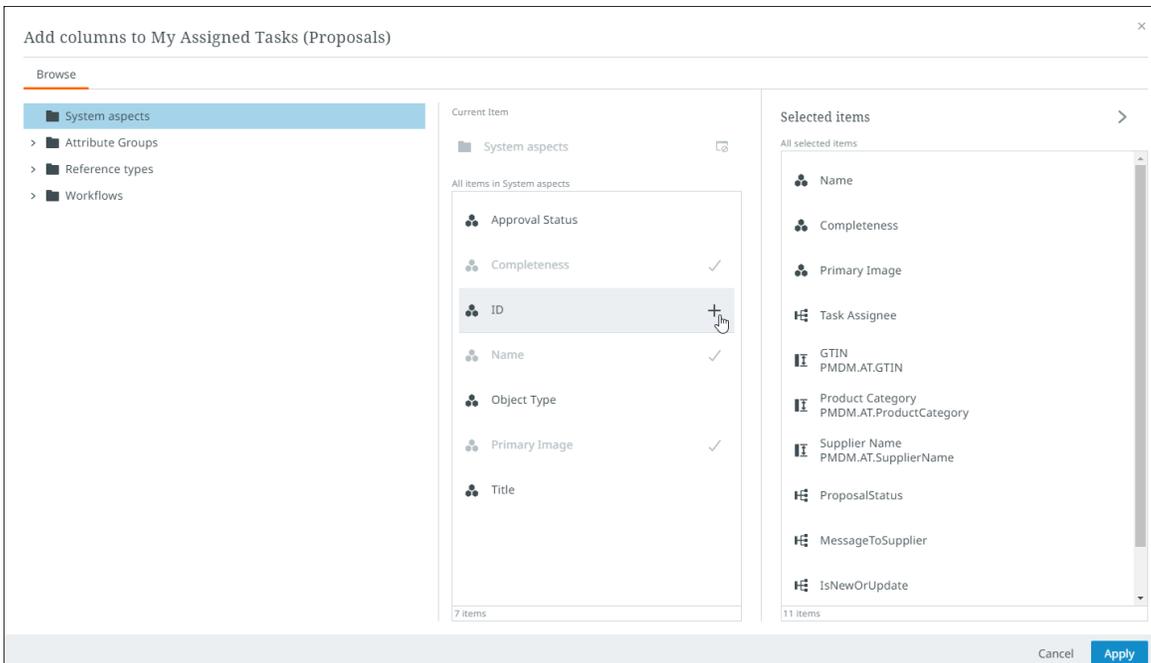
There are several ways to customize table columns in table-based perspectives like Tasks or Collections. Using a variety of methods, users can adjust their view of data in a table by adding, removing, reordering, resizing, and hiding columns.

Adding and Removing Columns

Options to add and remove columns can be found by clicking the Customize button on the toolbar.



The item picker dialog displays, allowing you to add and remove columns from the table view.



For more information on the item picker, refer to the Item picker topic.

Note: The option for administrators to add target language translation statuses for Browse and Tasks perspectives can be found in the Configuring target language translation status topic in the Configuration tool documentation. For Browse and Tasks perspectives in custom work areas, users can add or remove target language translation statuses using the toolbar Customize action (Customize > Languages > Translation status).

Tabs

A wealth of information about your assets, products, and entities can be accessed by adding tabs to your perspectives. Tabs are pages of data that can be viewed via the 'Details' view in any of the perspective types. Added and configured using the configuration tool, tabs can display, for example, customized information about the objects in your hierarchy, translation information, references, and asset information. The tabs available are listed and described below.

Details Tab

The details tab is divided into three primary areas: Item list pane, details pane, and section bar. In addition to viewing objects and their attributes, you can also view and manage product-to-product references from the details view.

Item List

All items within the currently selected perspective are listed in a pane on the left-hand side of the screen called the item list pane. From this pane, objects can be selected from the task list in order to view their details.

If the product has a primary image associated with it, the image will display with the name of the product. Any additional information that appears on the product card is determined by the sequence of columns in the list view.

Proposal Approval Buyer +

← → ↑ You are here: Proposal Approval B

Tasks <

	Agung Denim Jacket	<div style="width: 100%;"><div style="width: 100%;"></div></div>	100%	^
	Enigma Denim Jacket	<div style="width: 66%;"><div style="width: 66%;"></div></div>	66%	^
	Vladislav Hybrid Down Jacket	<div style="width: 100%;"><div style="width: 100%;"></div></div>	100%	^
	Quilted ZIP Vest	<div style="width: 100%;"><div style="width: 100%;"></div></div>	100%	^
	Woolly Mammoth Fleece Jacket	<div style="width: 100%;"><div style="width: 100%;"></div></div>	100%	^
	Bruce Suit Jacket	<div style="width: 74%;"><div style="width: 74%;"></div></div>	74%	^
	Vitravian Leather Jacket	<div style="width: 100%;"><div style="width: 100%;"></div></div>	100%	^
	Levin Lightweight Jacket	<div style="width: 66%;"><div style="width: 66%;"></div></div>	66%	^
	Ksenia Trekker Jacket			

60 items

The item list pane can also be used to perform a number of actions on a product. Select the desired product and select the relevant action from the toolbar.

You can also view and edit product-to-product references and classification links via the item list. Refer to Product references and classification links for more information.

Details Pane

The details pane is the primary focus of the details view, and displays all of a product's important details.



Primary Product Hierarchy / Data Sources / ... / Lawn/Garden Equipment and Tools / Axes

Husqvarna Complete Tool Belt

Revision: 0.2 | Last edited by: stepsys, 2 months 2 weeks ago | Approved



Completeness

Logistic Compl... 100%

Sufficiency scores

No sufficiency scores to display.

Click calculate scores to calculate any available scores.

[Calculate scores](#)

Details

Identifiers

SKU	tstSKU-Super Supplier-696738629608
GTIN	696738629608
Supplier's Master Product ID	

Description Information

Long Item Description	
-----------------------	--

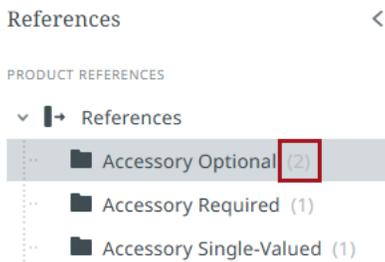
Information found within the details pane includes: attributes, attributes groups, references (provided they are in attribute groups), primary image, last edit date, Completeness card, Sufficiency scores card, and product hierarchy breadcrumbs. Attributes and references can be edited by clicking into the text field.

For your convenience, if an attribute needs your attention, you can click the applicable link to an attribute in a Completeness card, Sufficiency scores card, or in the side panel (described more below). The page will still auto-scroll to focus on the attribute in question.

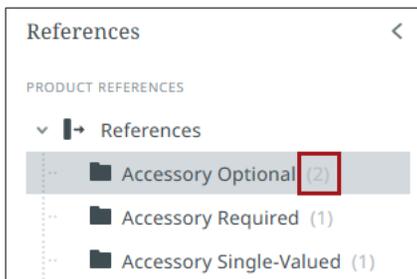
For more information, refer to Managing data.

References Tab

The 'References' tab enables a configured view of references in the details pane. When configured, the 'References' tab is split between a list of valid reference types on the left, and a tabular view of the references of the selected reference type on the right.



Each reference type containing references displays a gray numeral in parentheses (1-9) to the right of the reference type name indicating how many references there are for that reference type for that object. If there are more than 9 references, a '9+' will display.



In the table that displays the references for each reference type, information on the referenced object can be edited. The buttons above the table in the secondary toolbar allow users to add new references by clicking the 'Add' button and remove existing references by selecting the relevant reference and clicking the 'Remove' button. A zoom slider is accessible above the table that expands table rows to display all relevant content.

Attributes **References**

+ Add - Remove Zoom level (1x)

Accessory Optional

<input type="checkbox"/>	ID	Name	Brand Name	GTIN	Informa
<input type="checkbox"/>	249236	Fruit Jam	Apex Food Brands		
<input type="checkbox"/>	289667	Ketchup			

Characters: 16/1000

References

2 items, 0 selected

Focus View

To quickly access a broader range of attributes on a referenced object, click the blue arrow button located to the right of the checkbox on the referenced object.

<input type="checkbox"/>	ID	Name	Primary im...
<input type="checkbox"/> 	240008	Black Crew Neck	

This opens a 'Focus view'.

☐ < Focus view
English US 🔔 9 👤

⚙️ Business action

You are here: Black Crew Neck



Primary Product Hierarchy / Products / Apparel / Upper Body Wear / T-shirts / T-shirts Items / 235914-1

Black Crew Neck

Revision: 0.9 | Last edited by: User B, now | Partially approved

^



10%
COMPLETE

Completeness

Completeness ... 52%

Migrated Comp... 21%

Sufficiency scores

No sufficiency scores to display.

Click calculate scores to calculate any available scores.

[Calculate scores](#)

Attributes
References
Assets
Data Containers

Brand Name

Brand Name Acme Shirt Company

Color

Color Black (Black) ▾

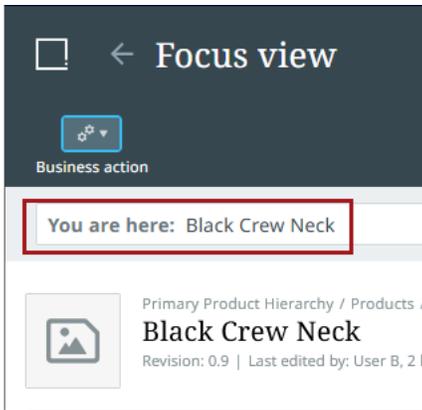
[+ Add new](#)

Long Item Description

Long Item Description Introducing our classic black V-neck t-shirt, a versatile wardrobe essential designed for comfort and style. Made from soft, breathable cotton, this t-shirt offers a relaxed fit that drapes effortlessly, making it perfect for any casual occasion. The sleek black color and flattering V-neck cut provide a timeless look that pairs easily with jeans, shorts, or

In the focus view, users can edit a referenced object using the attribute tab page configured for the referenced object's object type. If the user then wants to navigate to an object referenced by the referenced object, they can do so by, once again, clicking the blue arrow button for the referenced item on the configured reference tab page.

At the top of the screen in focus view is a field with the text 'You are here' inside.



Displayed in this field is a list of the referenced objects viewed within a focus view session. To navigate to any of the objects viewed in the session, click the relevant object shown in the field.

To go all the way back to the original object, click the arrow in the top left-hand corner of the screen, next to the 'Focus view' title.



For more information on how to configure a 'References' tab, refer to the Configuration tool tabs setup topic.

Compare Tab

The 'Compare' tab allows appropriately privileged users to both view and manage product information. The tab is accessible by clicking the 'Compare' tab, which is located to the right of the 'Details' tab.

Primary Product Hierarchy / Data Sources / ... / Lawn/Garden Equipment and Tools / Axes

Husqvarna Complete Tool Belt

Revision: 0.2 | Last edited by: stepsys, 2 months 1 week ago | Approved

Completeness
Logistic Compl... 100%

Sufficiency scores
No sufficiency scores to display.

Click calculate scores to calculate any available scores.

Calculate scores

Details
Compare

	Golden Record	Internal Source Re...	Hero Supplier	Super Supplier
▼ Ungrouped (1)				
Name	Husqvarna Complete Tool Belt	Husqvarna Complete Tool Belt	Husqvarna Complete Tool Belt	Husqvarna Complete Tool Belt
▼ Identifiers (3)				
SKU	tstSKU-Super Supplier-696738629608	123	tstSKU-Hero Supplier-696738629608	tstSKU-Super Supplier-696738629608

Display

This tab displays a table showing the various records that contributed to a given product's product data described on the 'Details' tab.

The records displayed on the tab include the golden record, the internal record, and the external record(s) associated with the product. Each record displays in its own column. The golden record and internal source records are displayed in the 'Golden Record' and 'Internal Source Record' columns, respectively, and the external records are displayed in columns named with the ID of the supplier that submitted the record. If multiple suppliers submitted product data for the same product, multiple external records will display in multiple columns, each named with the supplier ID.

All attributes display in collapsible attribute groups, display of which can be expanded or collapsed by clicking on the arrow button to the left of the attribute group name, as shown in the screenshot below.

Details Compare

	Golden Record	Internal Source Re...	Hero Supplier	Super Supplier
▼ Ungrouped (1)				
Name	Husqvarna Complete Tool Belt	Husqvarna Complete Tool Belt	Husqvarna Complete Tool Belt	Husqvarna Complete Tool Belt
▼ Identifiers (3)				
SKU	tstSKU-Super Supplier-696738629608	123	tstSKU-Hero Supplier-696738629608	tstSKU-Super Supplier-696738629608

To help users review which data from external records have been promoted to the golden record, values in the internal source record and external record column(s) cells matching those found in the Golden Record column will be shaded green. Examples of these cells can be seen in the screenshot above.

Internal source record and external record columns can be manually moved by clicking on the column header and dragging the column to the desired place in the table.

A slider that controls the height of the rows in the comparison table is available just above the table to the far right of the screen.



The 'Zoom level' slider can expand the height of columns to make longer values more readable.

Editing

Data in white-shaded cells in the internal source record column can be edited by clicking into the relevant cell. Once edits are made, clicking outside of the cell saves the updates. Gray- and green-shaded cells are read-only and cannot be edited.

If no golden records exist for the product, when the 'Compare' tab is clicked, no information will display.

If the user wants to update values displaying in the golden record column, they can make the needed edits to the internal source record data. Once the internal source record is approved, those values are promoted to the golden record.

Languages Tab

The Languages tab features a table presenting product information for the languages the user is privileged to view. Each column in the table displays translated product information for the language shown in the header. The information presented includes default aspects (like name and ID), as well as attribute values. Based on how the tab is configured, the table can display one or multiple attribute groups, which can be collapsed or expanded by clicking the arrow icon to the left of the parent attribute. If no attribute or attribute groups are configured, the table will display all valid attributes presented in their attribute groups.

Primary Product Hierarchy / Data Sources / ... / Lawn/Garden Equipment and Tools / Axes
Husqvarna Complete Tool Belt
 Revision: 0.2 | Last edited by: stepsys, 6 days 6 hours ago | Partially approved

Completeness
 Default Comple... 0%
 Logistic Compl... 100%

Sufficiency scores
 No sufficiency scores to display.
 Click calculate scores to calculate any available scores.
[Calculate scores](#)

Zoom level (0.75x)

	English	Danish	German (Germa...	Dutch-BE	French (France)
▼ Ungrouped (1)					
Name	Husqvarna Complete...	Husqvarna komplet...	Husqvarna Komplette...		Ceinture à outils...
▼ Description Information (2)					
Langtext...	Tool belt kit 2 Holster...	Værktøjsbæltetæt 2...	Werkzeuggürtel-Kit 2...	Gereedschapsgordels...	
Artikelkurzbesc...	Husqvarna 50569901...	Husqvarna 50569901...	Husqvarna 50569901...	Husqvarna 50569901...	

All attributes showing in the Languages tab display in attribute groups. All columns can be clicked and dragged to the desired place in the table by clicking on the gray-shaded header and dragging the column to a new table location.

A slider that controls the height of the rows in the languages table is available just above the table to the far right of the screen.



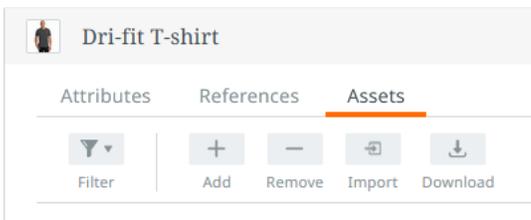
The 'Zoom level' slider can expand the height of columns to make longer values more readable.

Note: If the name of the product is dimension-dependent for language, the aspect 'Name' will show in a group called 'Ungrouped.' If the 'Name' is not dimension-dependent, only the configured attribute groups will display.

Assets Tab

The 'Assets' tab, available in the details view, presents all referenced assets in a gallery view. The assets display as tiles that show either thumbnails or icons to represent the asset. The functionality available in the tab enables users to view, filter, expand, download, upload, add, and remove assets associated with the viewed product.

Above the gallery are four buttons: 'Filter,' 'Add,' 'Remove,' 'Import,' and 'Download.'



Filter

When the 'Filter' button is clicked, a dialog displays that allows users to select the reference type they want to filter by. When users click into the 'Select reference type' field, a dropdown displays listing all reference types the referenced assets use. By selecting one of the listed reference types, the page will only display assets that use the selected reference type.

Primary Product Hierarchy / Data Sources / ... / Lawn/Garden Equipment and Tools / Axes
(GR-673553)
 Revision: 0.10 | Last edited by: stepsys, 5 days 22 hours ago | Partially approved

Completeness

Default Comple... 0%

Logistic Compl... 0%

Marketing Com... 0%

Sufficiency scores

No sufficiency scores to display.

Click calculate scores to calculate any available scores.

[Calculate scores](#)

Compare tab **Assets** Golden Record Languages All attributes

Select reference type

search

Primary Product Image 1

Product Images

Cancel [Apply](#)



9 items, 0 selected









For instance, if the user only wants to view the referenced assets of the 'Product image' reference type, users can select 'Product image' from the list of reference types and restrict the tiles that display to only those assets that use the 'Product image' reference type.

Add

The 'Add' button enables users to add references to assets from the object being viewed. When the 'Add' button is clicked, a dialog displays with two fields: 'Reference type' and 'Items.'

Add Reference

*Reference type

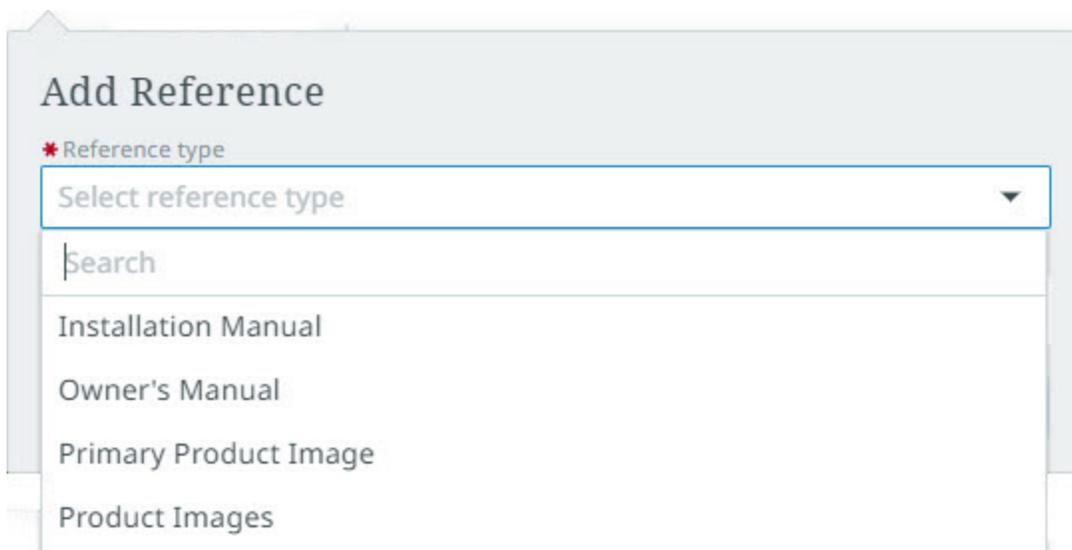
Select reference type

Items

Search

Cancel [Apply](#)

To add a new asset reference, first, click the arrow in the 'Reference type' field to display the dropdown. A list of available asset reference types will display. Select the reference type of the asset you want to reference.



Add Reference

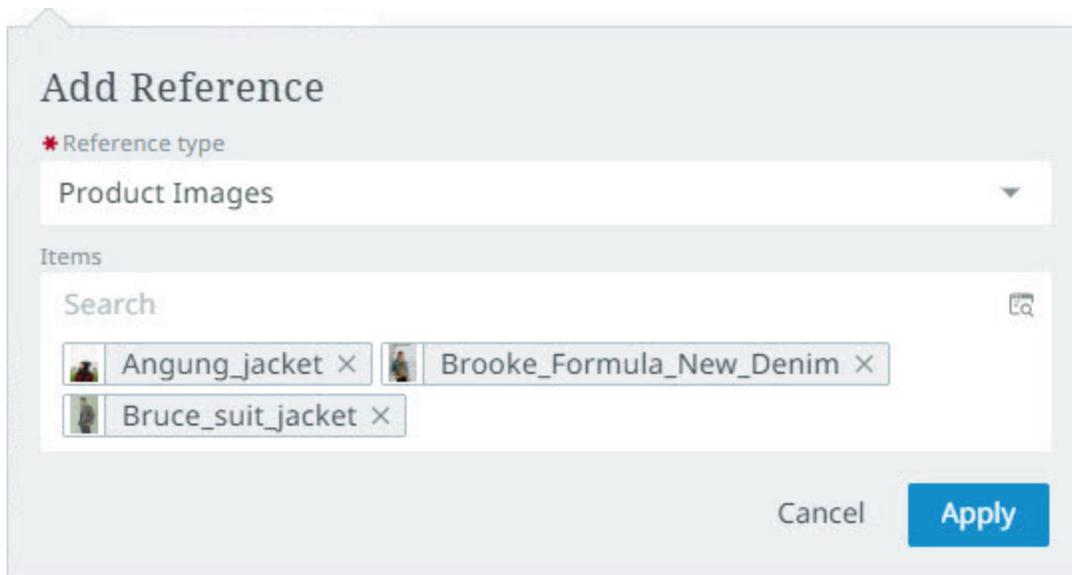
* Reference type

Select reference type

Search

- Installation Manual
- Owner's Manual
- Primary Product Image
- Product Images

Once you have selected the desired reference type, a list of all currently referenced assets will display in the 'Assets' field.



Add Reference

* Reference type

Product Images

Items

Search

- Angung_jacket ×
- Brooke_Formula_New_Denim ×
- Bruce_suit_jacket ×

Cancel Apply

The dialog provides two ways to select the asset to reference. In the 'Search' bar, found at the top of the 'Assets' field, start typing the desired asset and the typeahead feature will display a list of relevant assets to select. To

navigate to the desired asset, click the 'Item Picker' icon in the right side of the 'Search' bar. The Item Picker supports multi-selection of assets. (For more information on using the Item Picker functionality, review the Item picker topic.)

Remove

By clicking the 'Remove' button, users can remove assets from the referenced product. To remove references to assets, users can click the checkbox at the top of the tile to select it. With the tile(s) selected, clicking the 'Remove' button deletes the reference to the selected asset(s).

A footer displays at the bottom of the table that states how many assets are in the gallery, and how many of those are currently selected.

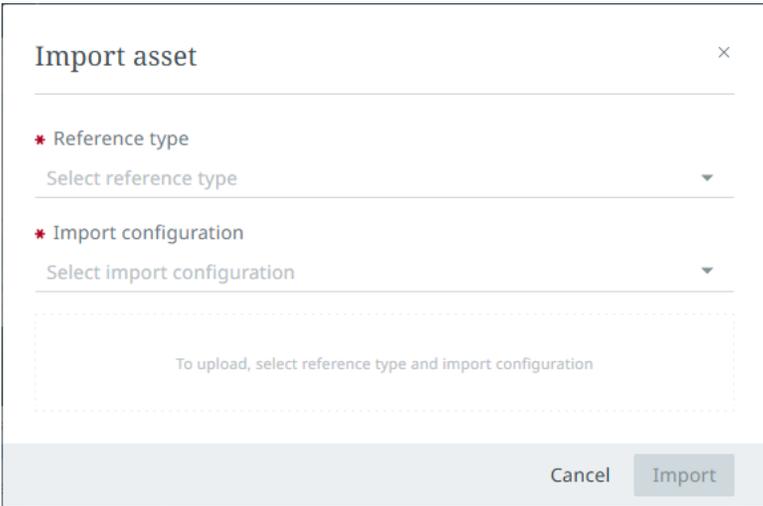


4 items, 1 selected

If no assets are associated with the viewed product, text will display in the place of tiles that reads, 'There were no results for your selection.'

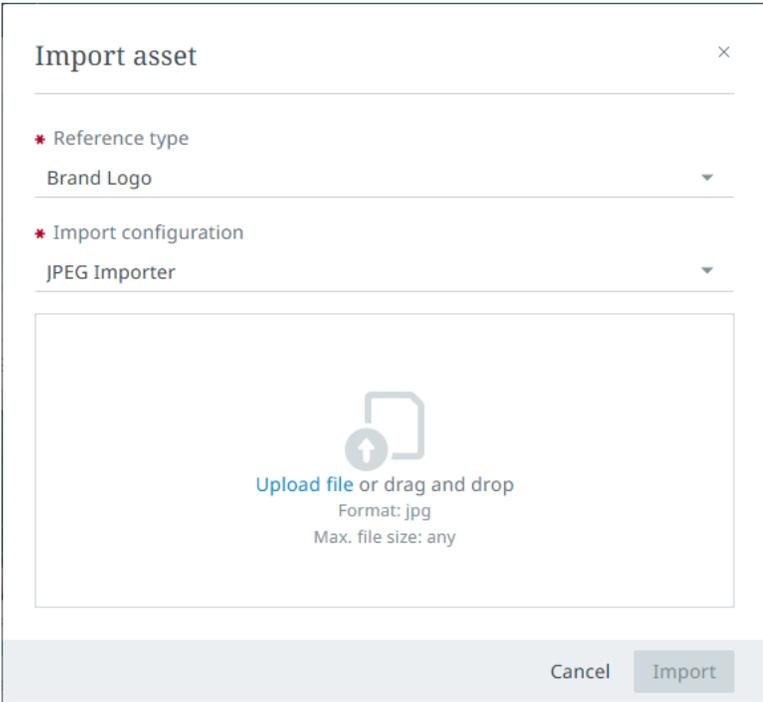
Import

The 'Import' button allows users to import assets for the viewed object and create an asset reference between the object and the asset. When clicked, an 'Import asset' dialog displays.



The 'Import asset' dialog box features a title bar with a close button (X). It contains two required fields, each with a red asterisk: 'Reference type' and 'Import configuration'. Both fields have a dropdown menu with the text 'Select reference type' and 'Select import configuration' respectively. Below these fields is a dashed rectangular area containing the text 'To upload, select reference type and import configuration'. At the bottom of the dialog, there are two buttons: 'Cancel' and 'Import'.

For the 'Reference type' parameter, click the arrow to show a dropdown displaying all reference types valid for the object. Once selected, the 'Import configuration' field auto-populates with an import configuration whose name matches either completely or partially with the name of the selected reference type. If this import configuration is not the desired configuration, users can click the arrow at the far right of the 'Import configuration' field to display a dropdown containing all import configurations valid for the selected reference type. With both selections made, any restrictions associated with the selected import configuration (e.g., file size or file type) display in the upload area.



To import a file, click the 'Upload file' text button that displays in the upload area. When a file is selected, click the 'Import' button at the bottom of the 'Import Asset' dialog. A notification displays first to indicate the import has begun. A second notification displays to indicate whether the import was successful or if the import failed.

If successful, a refresh of the browser will display the newly created asset reference on the 'Assets' tab.

Download

Assets can be downloaded from the 'Assets' tab via the 'Download' button. To download assets, first select the asset(s) you want to download, then click the 'Download' button. The browser will initiate a download of the asset to your local machine.

Packaging Tab

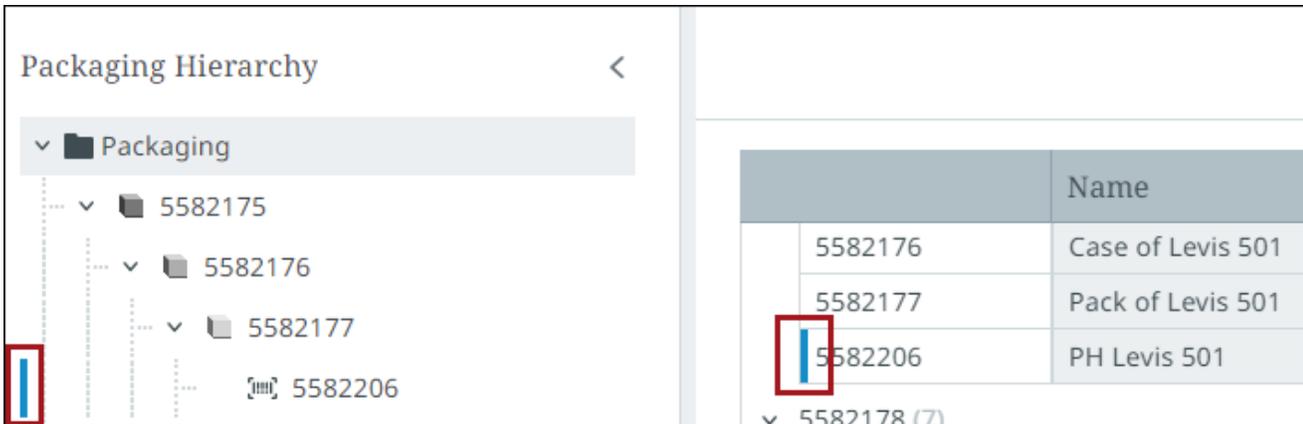
The 'Packaging' tab, available in the details view, presents the packaging hierarchies of the currently selected object. Each hierarchy is displayed in the left pane in a tree view, and as a table in the right pane. A zoom slider is accessible above the table that expands table rows to display all relevant content.

	Name	Object Type	Parent	Quantity	Total Quantity	Product Rating
5582176	Case of Levis 501	Case	5582175	50	50	
5582177	Pack of Levis 501	Pack	5582176	100	5000	
5582206	PH Levis 501	SalesItem	5582177	10	50000	
5582178 (7)						
5582178	Pallet of Various...	Pallet		1	1	
5582179	Case of Levis 504	Case	5582178	30	30	
5582180	Pack of Levis 504	Pack	5582179	50	1500	
5582182	PH Levis 504	SalesItem	5582180	25	37500	
5582176	Case of Levis 501	Case	5582178	30	30	
5582177	Pack of Levis 501	Pack	5582176	100	3000	
5582206	PH Levis 501	SalesItem	5582177	10	30000	

Selecting a lower lever packaging object in the hierarchy will narrow down the displayed data in the table(s) to only display child objects. The number that displays beside the header of each table indicates how many packaging objects and products are currently being displayed.

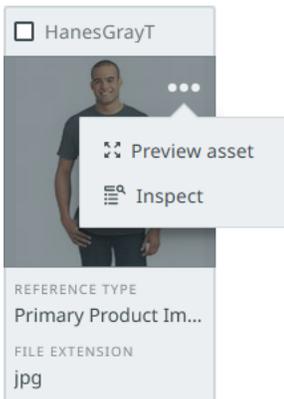
	Name	Object Type	Parent
5582176 (3 of 4)			
5582176	Case of Levis 501	Case	5582175
5582177	Pack of Levis 501	Pack	5582176
5582206	PH Levis 501	SalesItem	5582177

In both panes, the blue line indicates the location of the currently selected object in the packaging hierarchy.



Asset Preview

To display a preview of an asset, hover your cursor over the thumbnail for that asset in the asset tile. An ellipsis displays in the upper right-hand corner of the thumbnail. When you click the ellipsis, a pop-up displays with two options: 'Preview asset,' and 'Inspect.'



When you click 'Preview asset,' a full-screen overlay displays that presents:

- a tile (or tiles) in a column that lists all assets referenced by the object (on the left side of the screen)
- an expanded view of the asset in the asset panel (on the right side of the screen)

If the checkbox in the tile is checked, you may download the checked asset via the 'Download' button, found directly above the column. If downloading multiple assets at once, the assets will be placed into a zip file onto your local machine.



When a user selects 'Inspect,' the asset details view is displayed. Users can review the asset specifications, the relationship information (i.e., the objects the asset is referenced by), and remove or replace the asset content.

For more information on managing assets in the asset details view, refer to the 'Assets' section of the Product references and classification links topic.

Note: The asset preview and 'Inspect' functionality are also available in the thumbnail that displays at the top of the details pane.

Section Bar

The section bar, located to the left of the scroll bar, is a non-scrolling quick-navigation tool that enables easy access to attribute groups, as well as potential errors, found on the product.

The short gray horizontal markers that display at intervals along the section bar each represent a set of product data; the gray marker's placement in the section bar indicates the data set's relative location on the page. For instance, by clicking the first gray marker at the top of the section bar, a list of attribute groups nearest the top of

the list of product data displays in a dialog. When an attribute group from the list is clicked, the page auto-scrolls until the selected attribute group displays at the top of the page. In this way, a page of product data containing a thousand or more attributes can be navigated with a single click, without scrolling.

Errors

Errors on an item will display as exclamation points inside of red circles in the section bar, corresponding to the placement of the affected attribute. Warnings display as yellow triangles in the section bar, also corresponding to the placement of the affected attribute.

Clicking on the warning icon will auto-scroll down the product details pane to the relevant attribute. Additionally, the data quality measuring capabilities, available in both the Sufficiency and Completeness tiles, can be set to display blue flag icons to indicate where a given sufficiency requires additional data enrichment. When the flag is clicked, the page auto-scrolls to the relevant attribute.



Errors on an item will also be denoted on the tab label itself. An exclamation point inside a red circle or yellow warning triangle icon displays to the left of the tab label if there are errors or warnings on that tab. These errors and warnings are generated when attributes and references are affected by business rules applied to a given item. If attributes related to the Sufficiency or Completeness tiles are missing values, a blue circle displays to the right of the tab label. Inside the circle is a number indicating how many missing attributes or references need to be added as required by the Sufficiency and Completeness configurations.



For more information on Sufficiency and Completeness, refer to the Sufficiency scores card and Completeness card topics.

Managing Data

Within Instrument, attributes and references are a key part of product data. In a general sense, attributes are used to provide details about items (i.e., products, classifications, and assets) while references are used to define connections between items. There are several different ways to manage both attribute and reference data within Instrument.

For more information about managing attribute data, go to [Attributes](#). For more information about managing reference data, go to [References](#).

Attributes

Attributes are characteristics or details that help describe an item displaying in Instrument. If the item is a product, then an attribute might be its weight, color, or height. If the item is an asset, the attribute might be an image's width and height, file type, or its subject. Attributes and the values assigned to those attributes are central to building quality master data, and Instrument meets this requirement by enabling users to manage their attributes—add, delete, and edit—in either the list or gallery views.

List View

When looking at an item in the list view, attribute values can be changed from within the table cells.

You can also use the mass update capability to edit attributes in bulk by selecting a cell and dragging the data across other editable attribute cells to override them. The selected cells' value will copy to other selected cells above or below it. However, mass updates cannot be applied to references, workflow variables, completeness, primary, name fields, or any field that the user does not have privileges to edit. Mass update works between cells with the same type of value. For more information on copying and pasting in tables, refer to the Perspective basics topic.

In the list view, when editing cells that contain text values ('Text' or 'Text (exclude tags)' validation base type attributes), line breaks can also be added to the text. To add line breaks: click into the editable cell, position your cursor where the break should be added, and then press 'Enter' + 'Shift.' Double clicking into the cell will verify that the line breaks are correctly placed.

Details View

When looking at a product in the details view, attribute values can be changed from within the details pane.

Attribute Editing Options

Whether in the list or details view, each field may offer different selection options based on the attribute you wish to edit. For example, a 'Long Description' attribute may be a simple text field, while 'Brand Name' may allow users to select a value from a pre-configured list of value options.

Additionally, data field validation is communicated and enforced. For example, you may only be allowed to enter numbers for a 'Product Width' attribute value. It may even indicate and automatically apply the relevant unit of measure.

Mandatory attributes are denoted by a red asterisk.

Description Information	
ERP Product Category	* ERP Category 1 (ERP_Cat_1) ▼
Long Item Description	1917 Gibson Harp Guitar Style "U", Black, Highly ornate upper end model, Superb craftsmanship with beautifully carved scrolls, bridge & tail piece, Gorgeous instrument! VG+, OHSC
Short Item Description	1917 Gibson Style U Harp Guitar

References

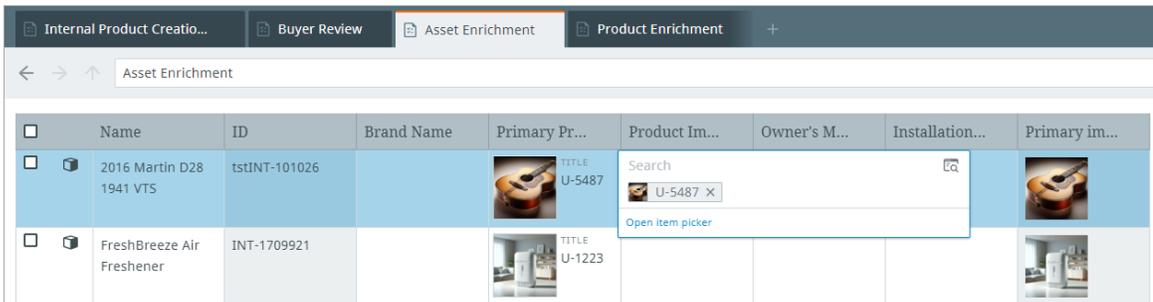
References allow you to define a connection between two objects, essentially creating a set of rules for the relationship between those objects. For example, a reference can associate an image with a product, link multiple addresses to a single company, or connect an object to a classification, among other uses. References can be inherited from one object to another (i.e., a specific-sized shoe inherits a reference from a brand of shoes) or references can be local (i.e., a specific-sized shoe has its own reference not inherited from a brand of shoes or any other object).

For more information regarding inherited and local references and how to differentiate between these types of references, go to the References-Inherited and Local topic.

List View

Like attribute data, reference data can be edited from within a perspective. Only outbound (target) reference columns can be added manually using the Customize toolbar action. More information can be found in Customizing columns.

When looking at one or more products in the list view, outbound references can be added or removed from within the table. First, double-click the outbound field on the reference you want to edit to display a dialog.



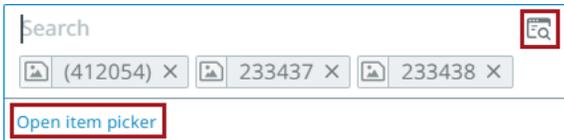
	Name	ID	Brand Name	Primary Pr...	Product Im...	Owner's M...	Installation...	Primary im...
<input type="checkbox"/>	2016 Martin D28 1941 VTS	tstINT-101026		 TITLE U-5487	<input type="text" value="Search"/>  U-5487 X Open item picker			
<input type="checkbox"/>	FreshBreeze Air Freshener	INT-1709921		 TITLE U-1223				

There are two ways to add a reference from the cell via the dialog:

- All current outbound references for the selected object are listed below a 'Search' field in the dialog. Use the typeahead search functionality in the 'Search' field (based on the object ID or name) to specify a product to reference. This method of adding a reference is depicted in the video below.

Note: Single-reference reference types will not display in the typeahead dropdown. If a cell is already populated with a reference for a single-reference reference type, typeahead will not be available for that cell until the single reference has been removed.

- To access the Item Picker, click either the Item Picker icon in the right-hand side of the dialog, or click the 'Open Item Picker' text button.



The Item Picker dialog that displays allows you to navigate product and classification hierarchies, depending on the target type configured for the reference type, and add references.

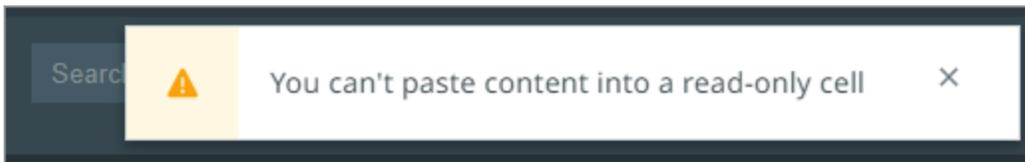
If a reference must be added to multiple items at once, first multi-select the relevant items in the table, then use either of the options described above to add the reference to all selected products.

For more information on the Item Picker, refer to the Item picker topic.

Copy and Paste

Copying and pasting references (via keyboard shortcuts or the web browser's right-click menu) can be done between cells within the interface.

If you are unable to copy or paste a reference within the interface, a notification will display. For example:



Drag and fill can be used to bulk edit reference or link type columns within a table. Drag to fill is applied via the fill handle, which is located on the bottom right-hand corner of a selected cell.

Primary.	Optional Accessory	Short Item Des...
		1934 Gibson Jumbo, Gibson's...
	 1930's Calborn Amplifier	1937 Recording King Roy Smeck...
		1937 Recording King Roy Smeck...
	 1930's Calborn Amplifier	1939 Epiphone Electar Zephyr la...
		1939 Epiphone Electar Zephyr la...

Dragging the fill handle and adding to the selection to encompass all the desired cells (in all qualifying columns), pastes the reference(s) from the selected cell into all cells contained within the final selection. A validation check is automatically performed on the filling action and any invalid changes will not be saved.

Important: When executing a drag to fill or copy and paste action, content in the pasted cells is overwritten. Though the overwritten references can be recovered using the 'Undo' button, any metadata on those references cannot be recovered.

Inspect

To view the details of a reference or a group of references, right-click the reference cell and select 'Inspect' from the dropdown, or click the table cell that contains the references and then click the 'Inspect' button on the toolbar.

If the Inspect icon is selected within a cell that allows for multiple product references, the reference table will be displayed.

The Details page for a specific referenced product that is displayed in the reference table can then be displayed by clicking the blue arrow button located in the product row, as shown in the screenshot below.

<input type="checkbox"/>	ID
<input checked="" type="checkbox"/>	412054
<input type="checkbox"/>	233437
<input type="checkbox"/>	233438

Details View

When looking at an item in, for example, the Tasks perspective using the details view, reference metadata can be changed from within the details pane.

To access references, click the arrow next to the product information in the hierarchy. For example:

Additionally, if a 'References' tab has been configured, users can select a reference type from a collapsible 'References' column that displays on the left side of the details pane. Reference types that have references will display with a number in parentheses indicating how many references there are for the reference type.

References <

PRODUCT REFERENCES

References

- Accessory Optional (2)
- Accessory Required (1)
- Accessory Single-Valued (1)

Sorting and Filtering References

If a 'References' tab has been configured, buttons above the table in the secondary toolbar allow users to sort and filter referenced objects in the table that displays on the right side of the details pane.

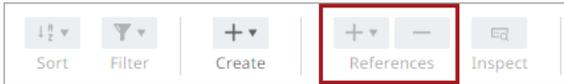
ID	Name	Primary im...	LoV Units - ...
tstINT-102933	1926 Martin T-18...		
tstINT-102969	1930's Calborn...		
tstINT-102063	1947 D'Angelico...		
tstINT-102978	1950's...		

Both sorting and filtering are possible using the available columns in the view in the References tab. The color of the column being used changes, indicating the column is used for either sorting or filtering. Refer to the Sorting or Filtering topics for additional information.

ID	Name	Primary im...	LoV Units - ...
tstINT-102933	1926 Martin T-18...		
tstINT-102063	1947 D'Angelico...		

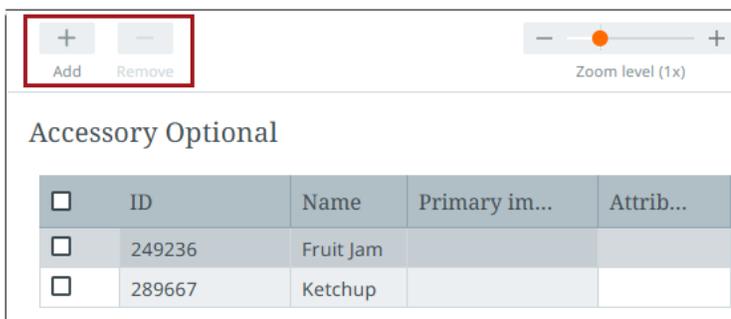
Adding and Removing References

Users can edit data on the referenced objects in the table that displays on the right side of the details pane for the 'References' tab. To add or remove references, click the '+' (Add) or '-' (Remove) buttons in the 'References' section of the toolbar.

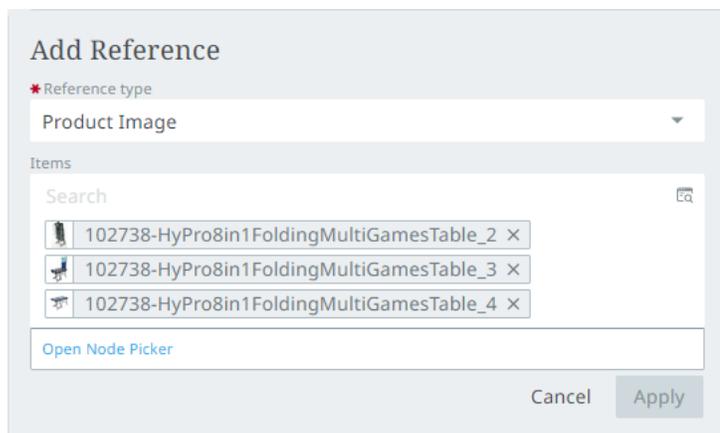


The '+' (Add) button is always active when viewing items in a 'Details' view on either the 'Browse' or 'Tasks' perspectives. The '-' (Remove) button is only enabled when a specific reference has been selected. If neither button is active, the current view does not allow for the addition or removal of references.

If a 'References' tab is configured, buttons above the table in the secondary toolbar allow users to add new references by clicking the 'Add' button and to remove existing references by selecting the relevant reference and clicking the 'Remove' button.

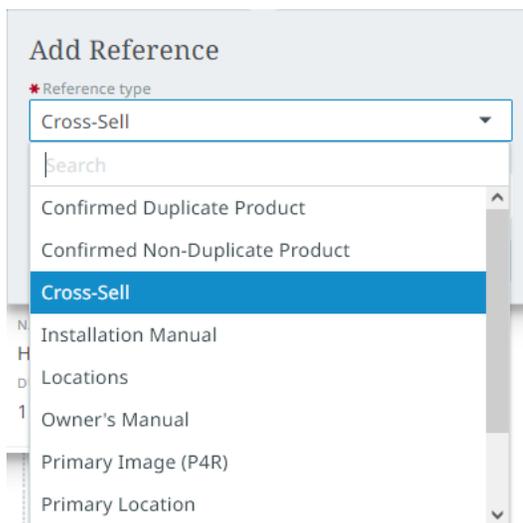


Adding a reference using any of these methods will display an 'Add Reference' dialog.



If the user is viewing the references for a reference type in a 'Details' view on a 'Tasks' perspective and then clicks the '+' (Add) button, the 'Reference type' field in the 'Add Reference' dialog is pre-populated with the viewed reference type.

If a reference of a different reference type is desired, click the arrow in the right-hand corner of the field to display a dropdown listing all available reference types.



In the 'Items' field, all existing references will display. To add a reference in this field, start typing the desired item to reference in the 'Items' field and the typeahead function will display a list of relevant options for selection. Alternatively, users may navigate to the desired reference by clicking either the 'Item Picker' button in the right-hand corner of the field, or the 'Open Item Picker' button that displays below the field after the user clicks into the 'Items' field.

For more information on using the Item Picker, refer to the Item picker topic.

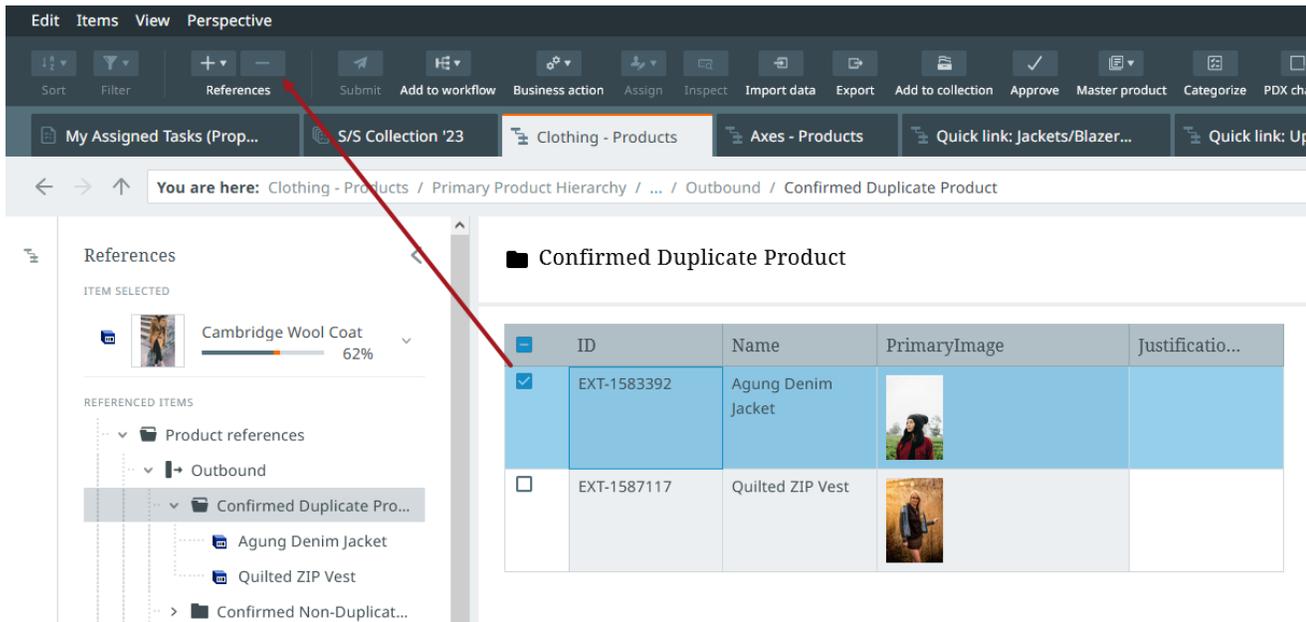
References Hierarchy and Table



If you are working in the reference hierarchy or in a reference table, the '+' (Add) and '-' (Remove) buttons in the toolbar can also be used to add and remove references. When adding references, you can use the typeahead function as described above, or the Item picker feature to find the items to reference.

In the reference table, it is possible to select many references by using the table checkboxes.

- The '-' (Remove) button will show as enabled, even if you select references that cannot be removed. You will receive an error message after clicking '-' (Remove) if there are some references that cannot be removed.
- The '-' (Remove) button will be disabled if the direction is inbound and if you do not have the privilege to remove references for the specific object type.



Reference Details

Navigate to the desired outbound reference from the list, and select a field to edit within this 'Relationship information' section.

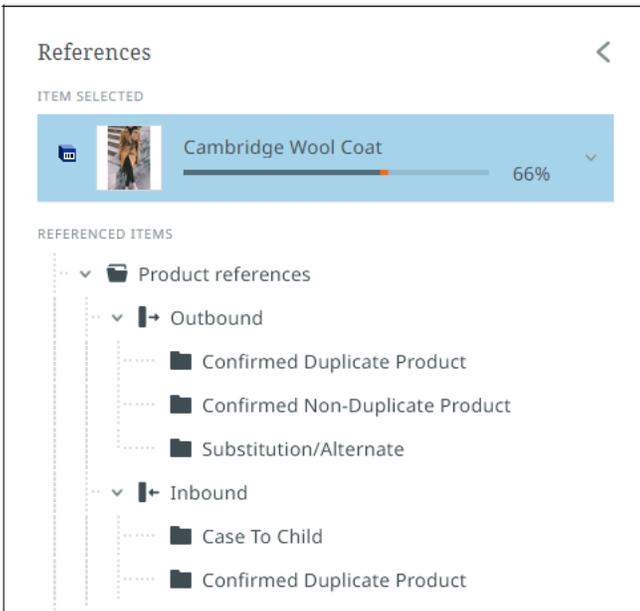
Alternatively, this metadata can be edited directly from the references table that displays when selecting an outbound reference.

You can add and remove references using the toolbar.

This metadata can only be changed for outbound references and non-inherited references. Inherited references are indicated by a hierarchy icon beside the name of the reference.

Classification Links

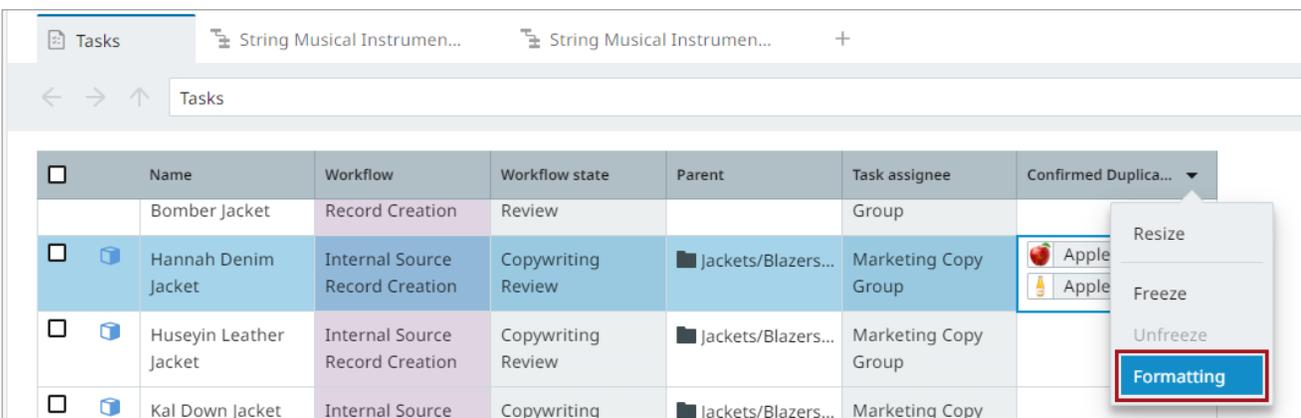
Classification links can be maintained in a similar fashion to references, but only from the details view. Additionally, only outbound classification links can be added or removed.



Find more information in Product references and classification links.

References Details Dialog Box

By selecting 'Formatting' from the column dropdown, users can configure specific settings that determine what is displayed within the selected referenced product's detail dialog box.



These configurable settings include:

- the ability to select which attributes will be displayed in the dialog box (with a maximum of five attributes displayed at one time)
- the option to display the value of selected attributes but not the title of the attributes themselves
- the option to display or not display the primary image on the referenced product on the overlay
- the ability to choose the display value of the referenced product based on an attribute (e.g., a user may decide to identify the referenced product by its ID instead of its name)

Reference Column Formatting for "Confirmed Duplicate Product" ×

Display Value
Title

Display Details Preview
 Apple - 1 kg

Overlay Details (max. 5)
Search
Title × ID ×

Include labels

Include primary image on display and overlay

Reset to default formatting

Overlay Details Preview
 Title
Apple - 1 kg
ID
tstEXT-309231

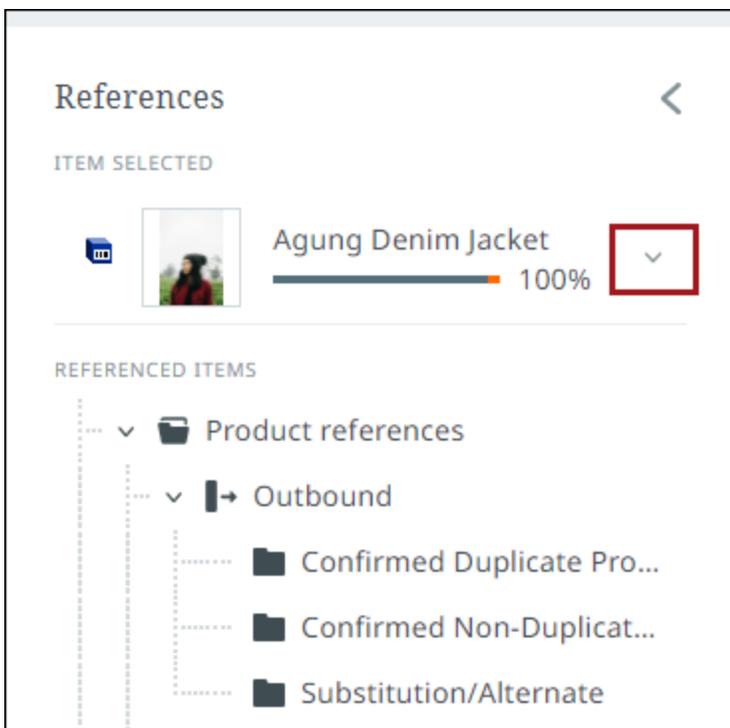
Cancel **Apply**

Product References and Classification Links

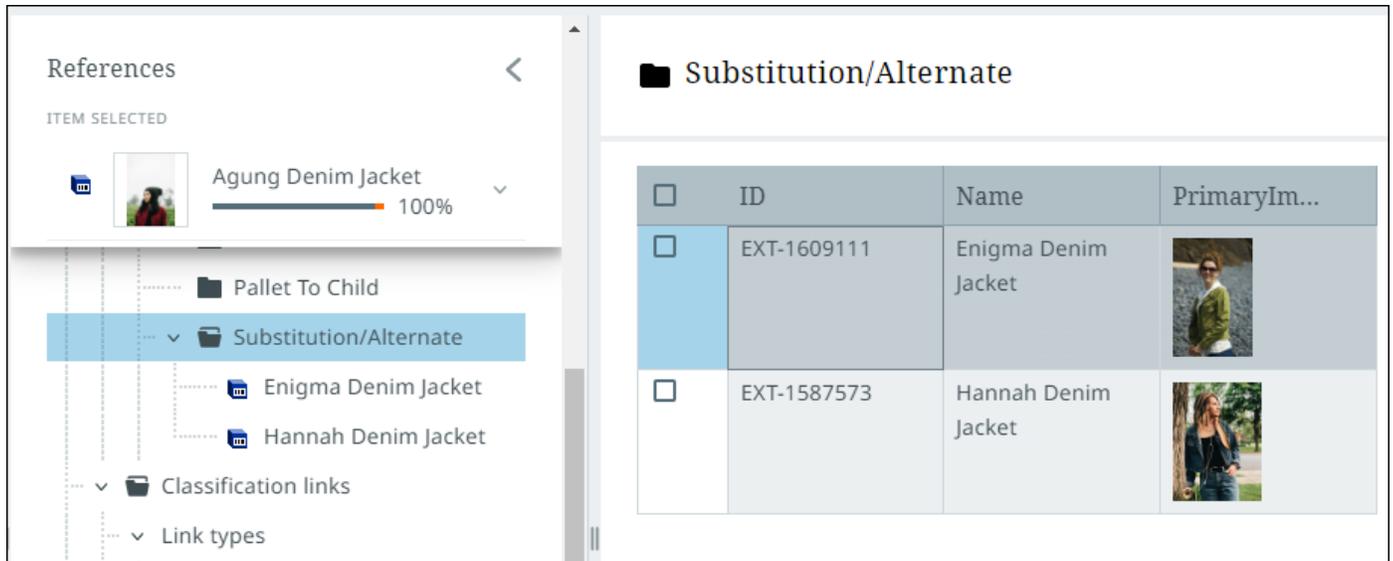
In addition to viewing products and their attributes, you can also view and manage product-to-product references and classification links from the details view.

Product References

1. From the node list, select the arrow icon to view all reference types of a given product. They are split between 'Outbound' and 'Inbound.'

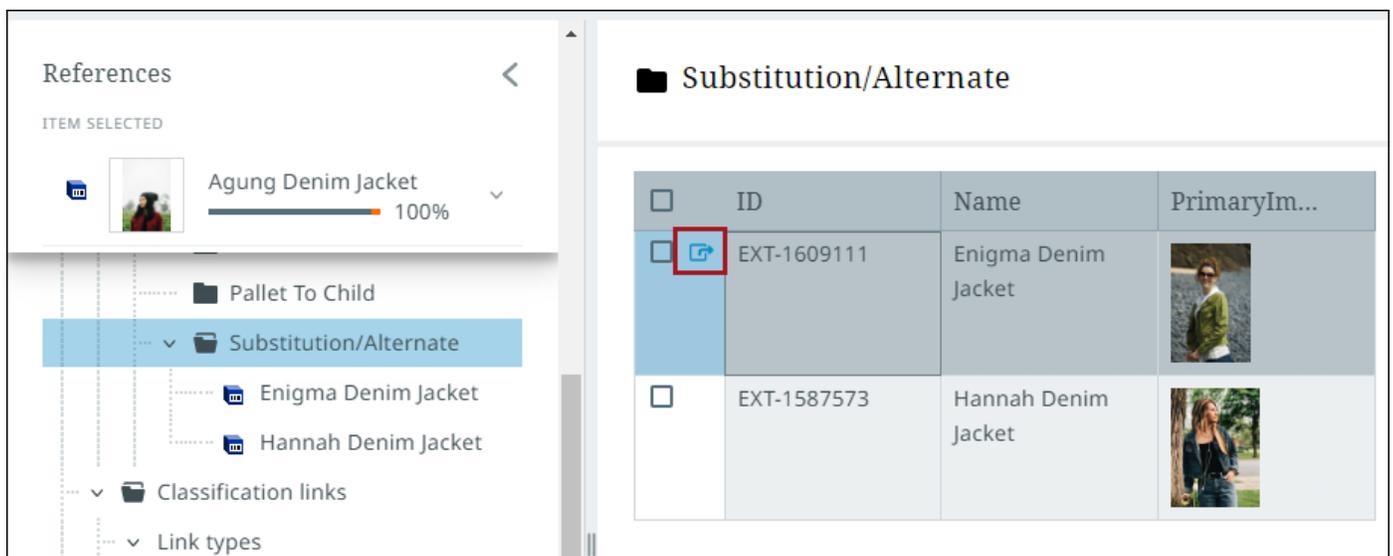


2. In the expanded list, select a reference type to view all references of that type connected to the product (whether it be an inbound or outbound reference). If there is only one reference, it will display the details of that reference in the product details pane, otherwise it will display a table of all references. Reference types listed can also be expanded to view all references of that type within the pane.

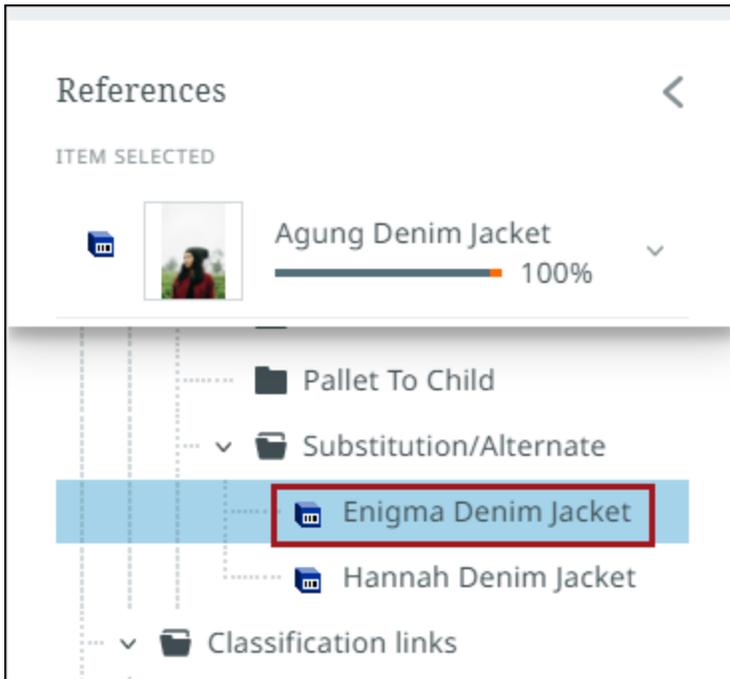


The table view displays default product information such as 'ID' and 'Name,' as well as reference metadata.

3. If a table of references is displayed, you can view a specific reference by hovering over the relevant row and clicking the arrow icon next to the checkbox of a particular reference.



You can also view a reference by selecting it from the pane.



When viewing a reference, a 'Relationship information' section is displayed above the reference's product details information. This section displays the reference's metadata.

CROSS-SELL PRODUCT(S) - ACCUMULATIVE ▼

Relationship information

Casual Zipped Sweater → Black Leather Boots [Remove this reference](#)

Cross Sell References

Effective Date	11/11/2022	
Quantity	<hr/>	
Pricing		
Effective Date	11/11/2022	
Product Active Status	<hr/>	

Primary Product Hierarchy / Instrument Products / Apparel / Footwear / Boots

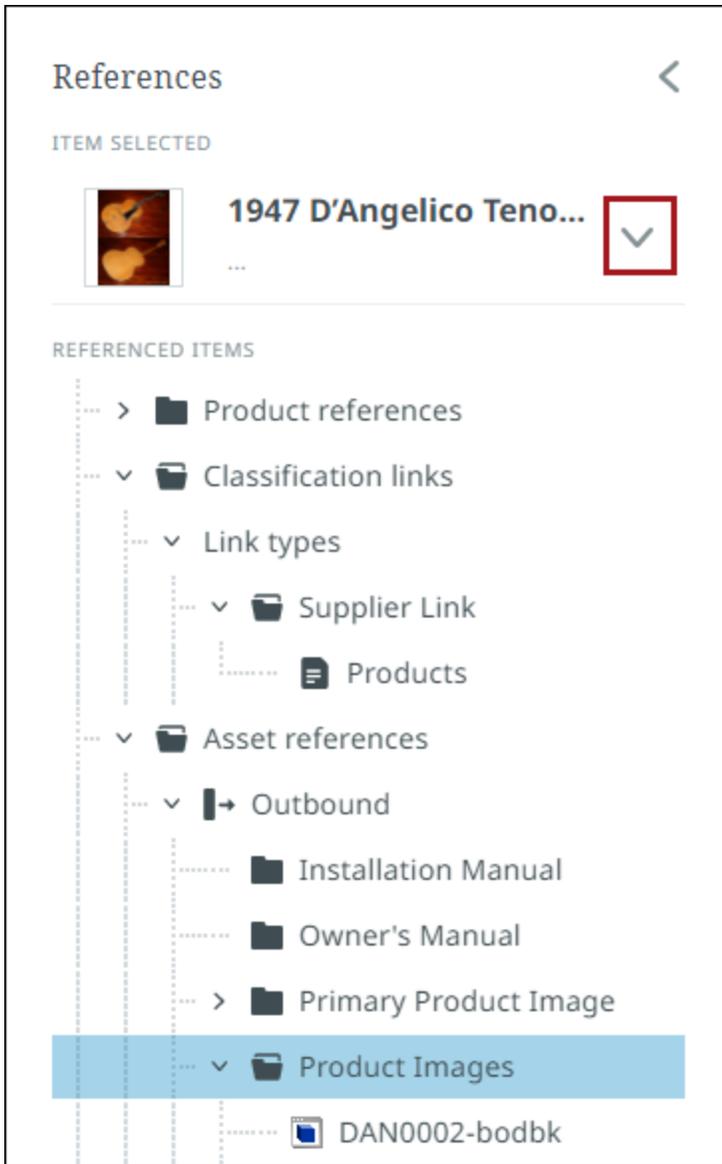
Black Leather Boots

Revision: 0.22 | Last edited by: stepsys, 6 months 2 weeks ago | Not approved

For additional information, go to the References topic.

Classification Links

1. From the node list, select the arrow icon to view all classification links of a given product or classification. For products, the classification links are listed under 'Outbound' and for classifications they are listed under 'Inbound.'



2. In the expanded list, select a classification link type to view all relations of that type connected to the product or classification. If there is only one link, it will display the details of that link in the product details pane, otherwise it will display a table of all links. Classification links listed can also be expanded to view all links of that type within the pane.

References <

ITEM SELECTED

Featured Guitars

... / Classic Guitars LLC

REFERENCED ITEMS

- Classification links
- Link types
 - Website Link
 - 1932 National Triolian
 - 1932 National Triolian

Website Link

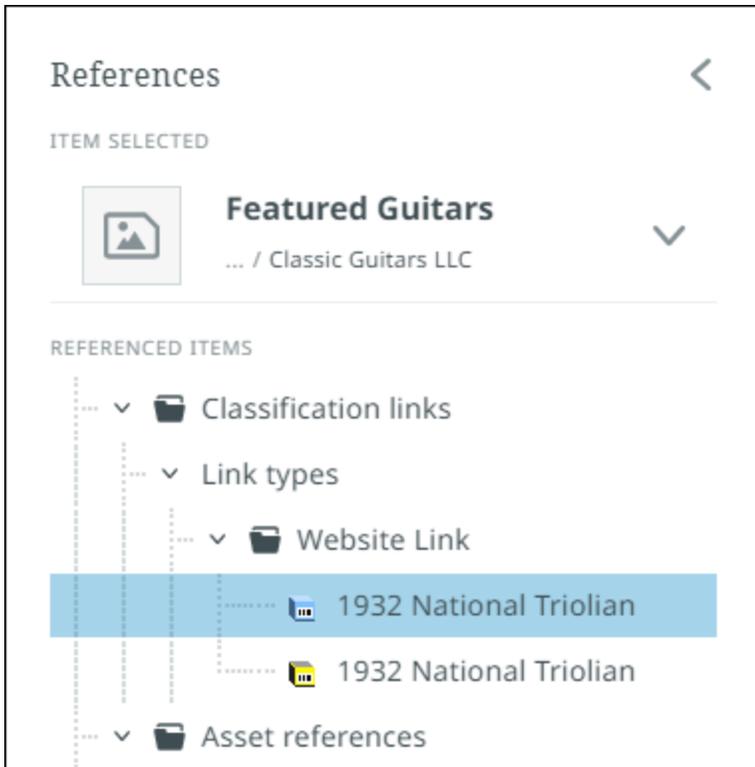
<input type="checkbox"/>	ID	Name	PrimaryIm...
<input checked="" type="checkbox"/>	tstINT-100459	1932 National...	
<input type="checkbox"/>	tstGOLD-100459	1932 National...	

3. If a table of links is displayed, you can view a specific link by hovering over the relevant row and clicking the arrow icon next to the checkbox of a particular link.

Website Link

<input type="checkbox"/>	ID	Name	PrimaryIm...
<input checked="" type="checkbox"/>	tstINT-100459	1932 National...	
<input type="checkbox"/>	tstGOLD-100459	1932 National...	

You can also view a link by selecting it from the pane.



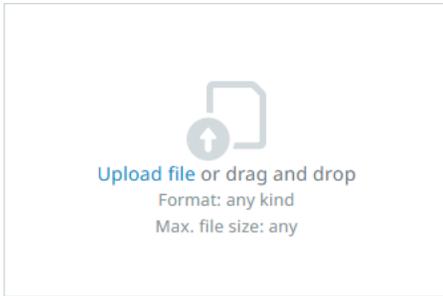
When viewing a classification link, a 'Relationship information' section is displayed above the link's product details information. This section displays the classification link's metadata.

Assets

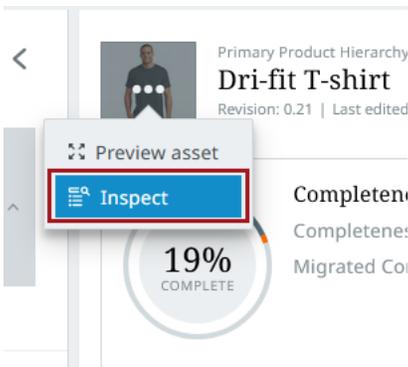
When viewing an asset classification link, appropriately privileged users have the ability to remove the asset content entirely, or replace it with different asset content, either by selecting a file from the user's local machine, or dragging and dropping a file. To either remove asset content or replace it, first click 'Remove content', found beneath the asset thumbnail.



Then upload new or replacement asset content to the empty asset object.



One way to quickly navigate to the asset details view of a given asset is to click the ellipsis button located inside asset thumbnail images found in perspectives, reference views, and in search. Select 'Inspect' from the dropdown menu that displays.



This brings up the asset details view described at the beginning of this section from which users can access asset information and take action to change or remove the asset.

Inherited and Local References

Users can gain additional information about the status of an inherited reference when a blue triangle is present in the left-hand corner of any cell containing an inherited reference. In the case of a product with multiple references, a blue triangle can also display in the left-hand corner of the product 'chip' itself, the 'chip' being the shaded box inside the cell in which the product name displays.

In the example below, the highlighted product contains two references of the 'Cross-Sell Products - Outbound' reference type: 'Sensitive Aftershave Lotion' and 'Unscented Aftershave Lotion.' The blue triangle in the top left corner of the cell that contains these two product chips indicates that there is at least one referenced product that is inherited. In this case, the 'Sensitive Aftershave Lotion' product is inherited, as indicated by the blue triangle on the product chip itself, while the 'Unscented Aftershave Lotion' product chip is a local reference (not inherited reference), indicated by its lack of a blue triangle.

Name	Task ...	Task ...	Cross-Sell Products - Outbound
Ricoh Type 115...	✔ 0/0		
Xerox Drum Cartrid...	✔ 0/0		Seiko SmartLabel SLP-FLW File Folder Labels - 9/16" Width x 3 7/16"
Xerox Original Tone...	✔ 0/0		Oki Bottom Feed Push Tractor
Xerox Original Tone...	✔ 0/0		
Birch & Black Pepper	✔ 0/0	4/14/2021...	
Soothing Aloe...	✔ 0/0	6/15/2021...	Sensitive Aftershave Lotion Unscented Aftershave Lotion

When a cell that contains a referenced product is double-clicked, an icon that represents hierarchical inheritance, along with informational text, is displayed above the cell.

Name	Task ...	Task ...	Desc...	Cross-Sell Products - Outbound
Honeysuckle &...	✔ 0/0	4/14/2021...		Mimosa & Cardamon Cologne
Violet & Amber...	✔ 0/0	4/14/2021...		Mimosa & Cardamon Cologne
Wild Fig & Cassis...	✔ 0/0	4/14/2021...	Value is inherited	
Birch & Black Pepper	✔ 0/0	4/14/2021...		Search and add references
Unscented Aftersha...	✔ 0/0	6/15/2021...		Sensitive Aftershave Lotion Unscented Aftershave Lotion
Sensitive Aftershave...	✔ 0/0	6/15/2021...		Sensitive Aftershave Lotion Unscented Aftershave Lotion
Soothing Aloe...	✔ 0/0	6/15/2021...		Sensitive Aftershave Lotion Unscented Aftershave Lotion

In the example below, notice that the hierarchical inheritance icon has a line through it. This indicates (and is described by accompanying informational text) that the referenced product is local, and has overridden the inherited product reference. If a user wishes to remove the local reference (and has the proper user privileges), they can do so by clicking the 'X' located on the product chip. Once this local reference is removed and the page is refreshed, the inherited referenced product will appear within the cell.

Name	Task ...	Task ...	Task ...	Cros...	Cross-Sell Products - Outbound
Honeysuc...	✔ 0/0	4/14/2021...	Product...	Mim...	Mimosa & Cardamon Cologne
Violet &...	✔ 0/0	4/14/2021...	Product...	Mim...	Mimosa & Cardamon Cologne
Wild Fig &...	✔ 0/0	4/14/2021...	Product...		
Birch &...	✔ 0/0	4/14/2021...	Product...		
Unscente...	✔ 0/0	6/15/2...	Inherited value is overwritten		Sensitive Aftershave Lotion
Sensitive...	✔ 0/0	6/15/2021...	Product...	After ...	<input type="text" value="Search"/>
Soothing...	✔ 0/0	6/15/2021...	Product...	Sensi...	Soothing Aloe Shaving Cream X

When double-clicking on a cell which only contains inherited referenced products, users will be notified that adding a different referenced product will override the existing inherited referenced product.

Name	Desc...	Task ...	Task ...	Cros...	Cross-Sell Products - Outbound
Wild Fig &...	*	✔ 0/0	Product...		
Birch &...	*	✔ 0/0	Product...		
Unscente...	* Create...	✔ 0/0	Product...	/ +1	<input type="text" value="Search and add to override references"/>
Sensitive...	* Sensiti...	✔ 0/0	Product...	After ...	Sensitive Aftershave Lotion
Soothing...	* Create...	✔ 0/0	Product...	Sensi...	Unscented Aftershave Lotion

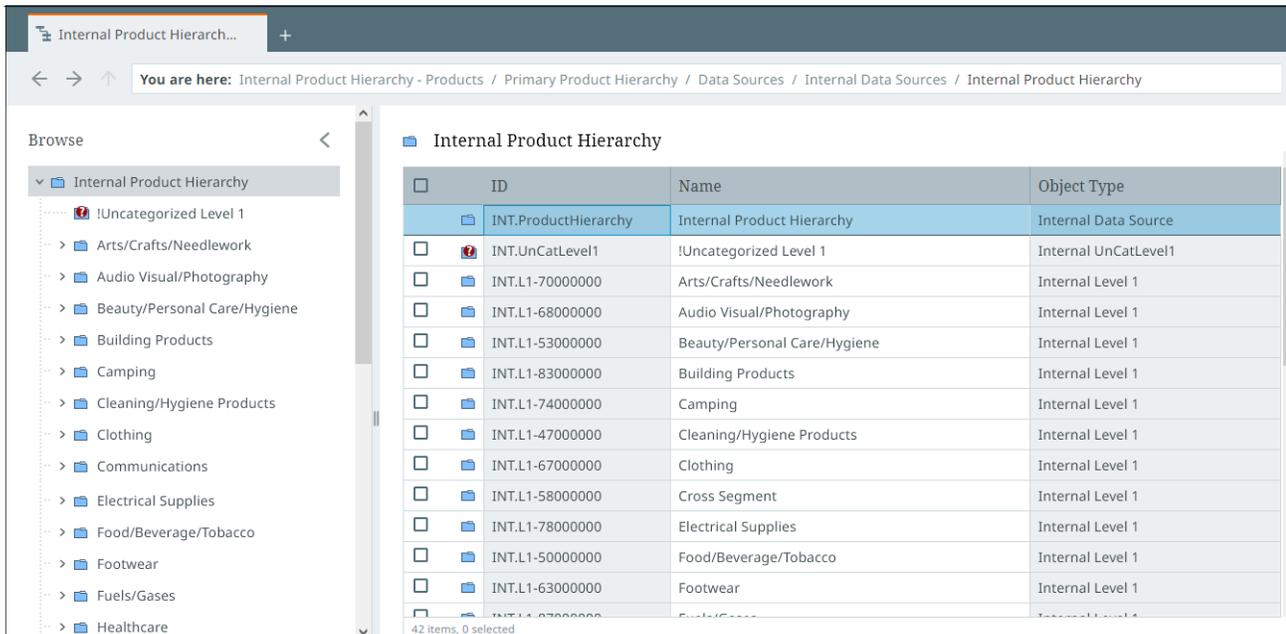
If you want to remove a local reference, select the 'X' icon beside the reference in the cell.

Note: Inherited references cannot be removed (there is no 'X' option for inherited references).

Colour ▾	Have you considered? - Outbound ▾	Have you c
Green	 Blackberry & Bay Cologne	
White	 Blackberry & Bay Cologne	
	Search ✕ 	
Clear	Red Carpet Red lipstick (872-25301488) ✕	

Browsing Data

Data can be freely explored via the Browse perspective. Like other perspective types, Browse perspectives display your data in a customizable table. Objects in this perspective can be viewed in more detail by selecting them from the table.



Navigation Tree

The navigation tree resides on the left side of the perspective and allows you to browse through a hierarchy of products, entities, assets, or classifications. This hierarchy draws nodes directly from the data model and may restrict access to parts of the data set based on the user's permissions.

Each Browse perspective focuses on a specific hierarchy that is determined when creating it for the first time.

Configure browse perspective ✕

Please select which hierarchy should be configured for this perspective.

Select hierarchy

■ Products ▼

Set default top node

- ▼ Primary Product Hierarchy
- ... > Data Sources
- ... > Packaging
- ... Product Overrides
- ... Products
- ... > Rejected Products

★ Perspective name

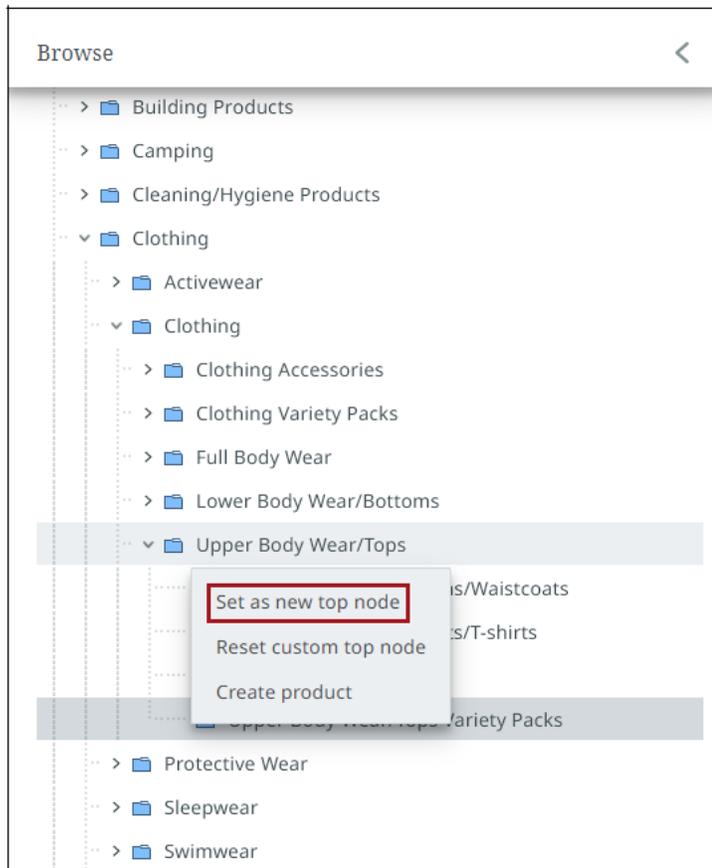
Products

Cancel Create

To navigate down to the deeper levels of the tree, select the arrow icon to open relevant nodes. When you have arrived at the desired node, select it from the tree to open a table comprising all the objects within that node.

Note: When navigating a Classification hierarchy any linked objects will not appear in the tree. Instead, linked objects can be viewed via the node list that populates when selecting a classification in the details view or in a table when using the list view.

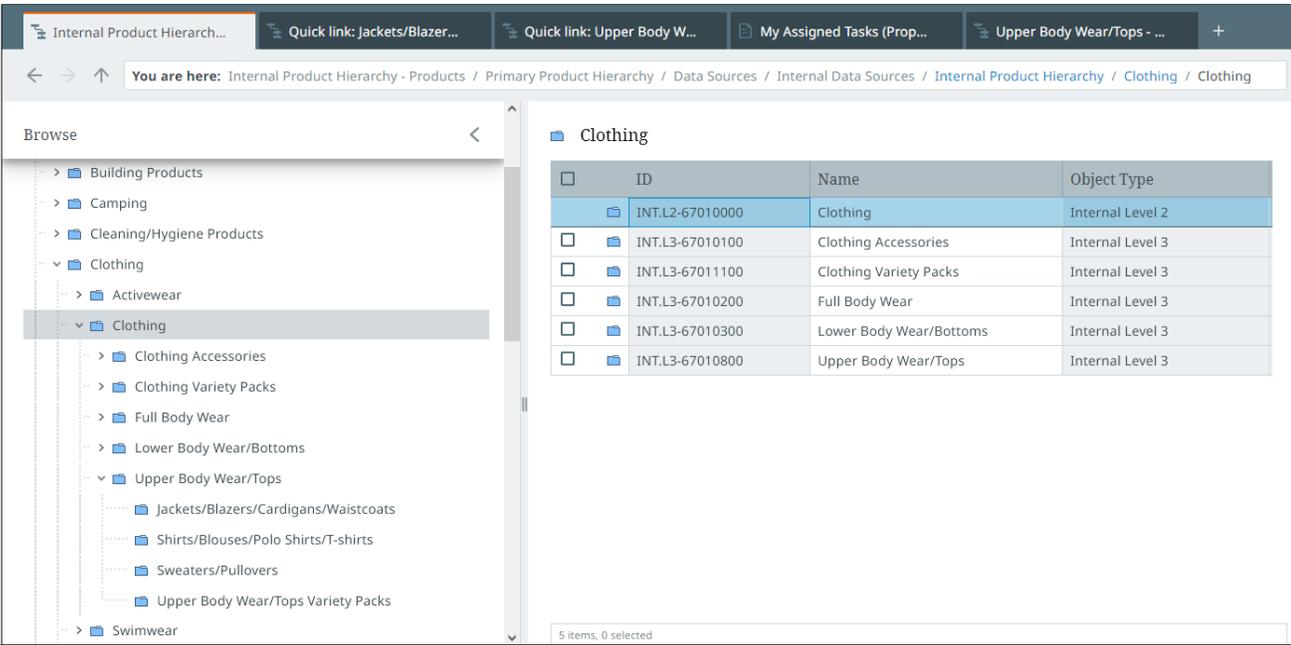
The top node of the hierarchy can be changed at any time by simply right-clicking the desired node and selecting **Set as new top node** from the context menu.



This selection can be undone by right-clicking any node in the hierarchy and selecting **Reset custom top node** from the context menu.

List View

When viewing a Browse perspective via the list view, it will display all objects within the selected node on a table. Similar to other perspective types, this table is customizable.



The screenshot shows the 'Internal Product Hierarchy' view. On the left is a 'Browse' tree with 'Clothing' selected. On the right is a table titled 'Clothing' with the following data:

ID	Name	Object Type
INT.L2-67010000	Clothing	Internal Level 2
INT.L3-67010100	Clothing Accessories	Internal Level 3
INT.L3-67011100	Clothing Variety Packs	Internal Level 3
INT.L3-67010200	Full Body Wear	Internal Level 3
INT.L3-67010300	Lower Body Wear/Bottoms	Internal Level 3
INT.L3-67010800	Upper Body Wear/Tops	Internal Level 3

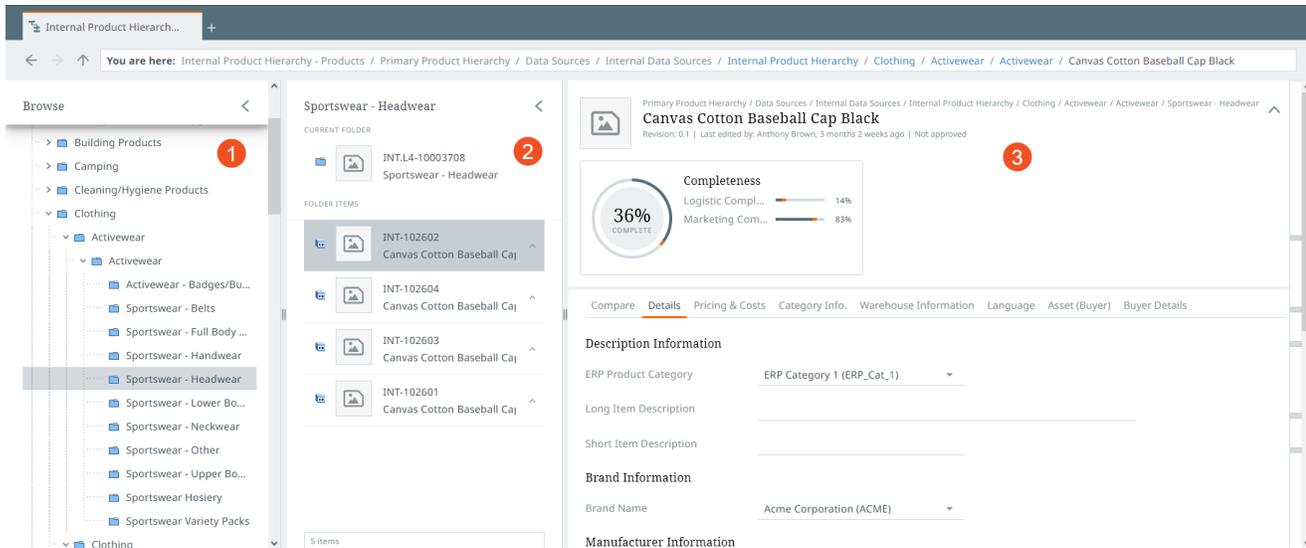
Selecting an object from the table will open it up in the details view (shown below).

Important: The Select All option, found in the header row of the table, allows you to select all items in a table. Alternatively, you can select up to 500 items manually by checking the checkbox for each desired item. Refer to the Toolbar topic for other maximums that you need to consider when taking actions on perspective selections.

Details View

When viewing a Browse perspective via the details view it will split the screen into the following sections:

1. Navigation tree (explained above)
2. Node list
3. Node details



Node List

All objects listed under the node selected from the tree will appear in a list in this section. When selected, the node details pane to the right will populate with relevant data.

The 'Current Folder' navigation card displays the node you currently have selected in the navigation tree and the 'Folder Items' section below lists out all of the child objects. In the example image below, the current folder is a classification and the folder items are its linked products.

Slim fit Lacoste polo in petit piqué

CURRENT FOLDER

-  110603
Slim fit Lacoste polo in petit piqué 

FOLDER ITEMS

- Selected (0)
-  110619
PH4012-00 Black
-  110617
PH4012-00 Green
-  110616
PH4012-00 White

Clicking the arrow beside an object in the list will display all of its inbound and outbound references, as well as any classification links. Refer to Product references and classification links for more information.

To return to the product / classification list, select the arrow icon next to the selected item.

References

ITEM SELECTED

110603
Slim fit Lacoste polo in petit piqué



REFERENCED ITEMS

- Product references
 - Outbound
 - Inbound
- Classification links
 - Outbound
 - B2B Link
 - B2C Link
 - CampaignLink

Node Details

When an object is selected from the node list it will populate additional node data on the pane to the far-right of the screen.

Creating New Objects within the Browse Perspective

You can create products, classifications, and entities one at a time within the Browse perspective or the Tasks perspective. Refer to the Creating and Initiating a New Object within the Tasks Perspective topic for additional information.

Why single products? As an example, a new product may be needed for the internal record-handling workflow, which does not originate from external record imports (PDX). This becomes necessary for planning purposes in the case for products that do not exist yet (a placeholder is required), which will be enriched by a vendor at a later time. Such products are often referred to as 'white label' products, which are sold by retailers with their own branding and logo, but the products themselves are manufactured by a third party.

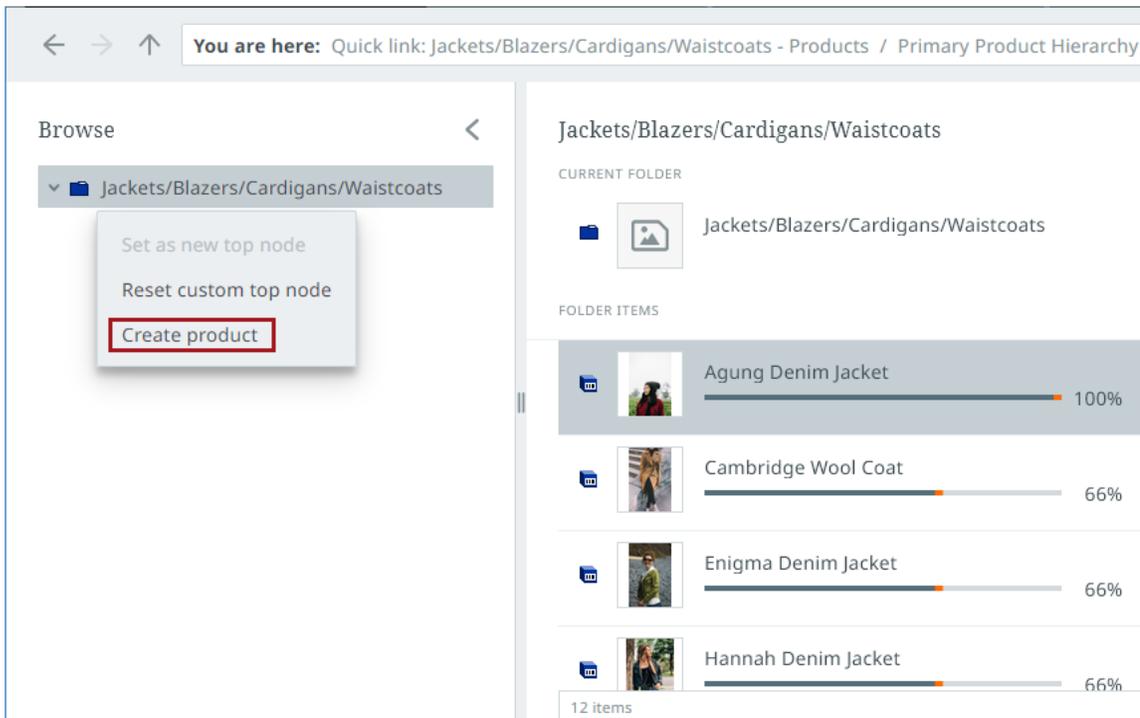
You can also create classifications using the same methods described below. Classifications can be used to build hierarchies and objects that bundle other objects into organized groupings, or product objects can be linked into classifications to provide alternative categorizations of objects that vary from the product hierarchy structure.

Choosing a Node

The examples below mainly show the product creation process. The process for creating classifications and entities within a classification or entities hierarchy will be the same or similar.

Where in the hierarchy the product, entity, or classification is created is derived from the currently selected location in the Browse perspective. Right-click on the Browse perspective menu at the point where you want to add the object.

 **Note:** If the object type selected for the new object has an 'Object creation' action configured in the Configuration tool, the parent node of the newly added object will be overwritten to be location in the hierarchy where the user right-clicked within the Browse menu. Refer to the Configuration Tool Actions topic for additional information.



Valid options are enabled as shown in the example above:

Set as new top node: Resets the top node of the browse tree.

Reset custom top node: Returns the top node to the default node set for the Browse perspective.

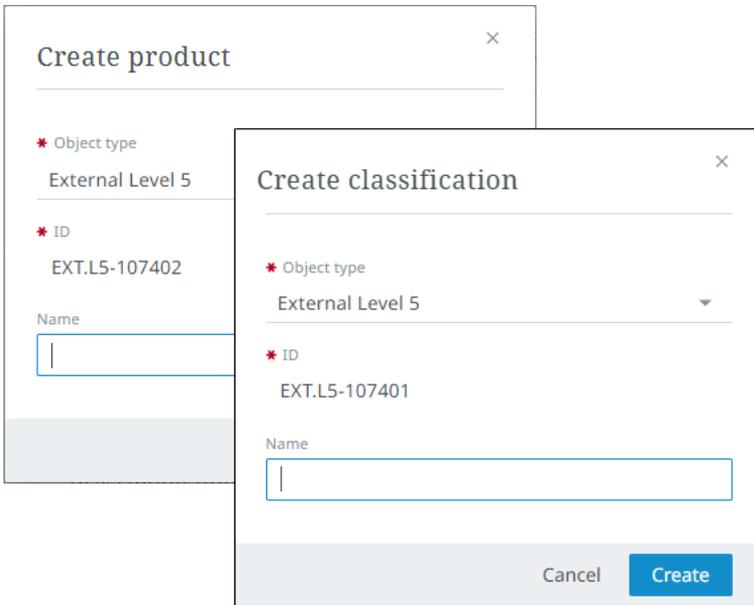
Create product / Create classification: Creates a new object.

Any invalid options for the node that you are on will be grayed out.

Creating a New Object

The 'Create product,' 'Create Entity,' or the 'Create classification' dialog appears, depending on the type of new object you are creating:

- **Enter the Name:** A name suggestion is given, if configured to do so.
- **Select the Object type:** Only valid object types are shown.
- **Enter the ID:** If auto-ID is configured to be used for the selected object type, then this field will populate for you.

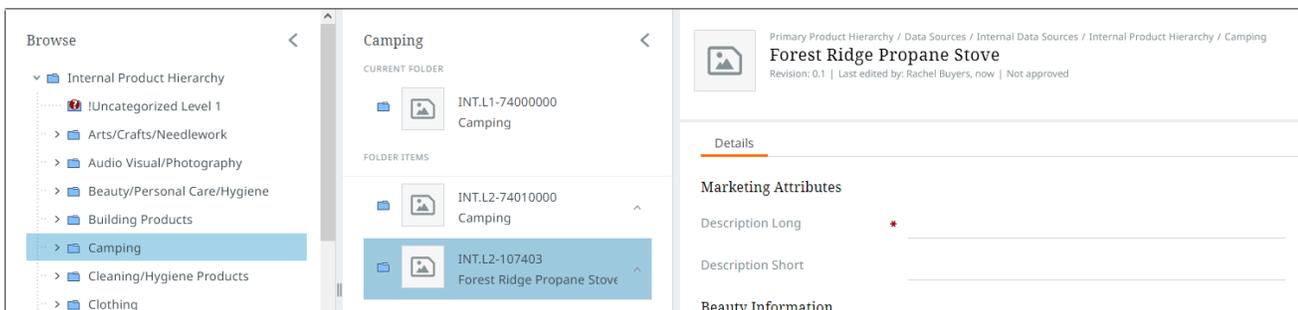


Select Create to finish (or Cancel to start over).

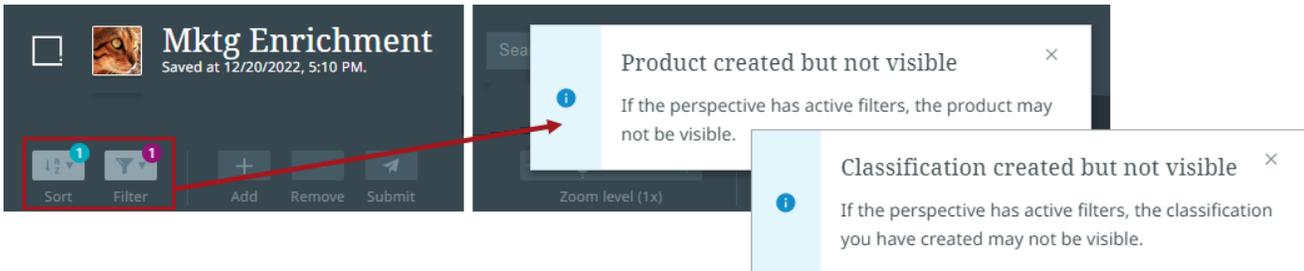
Enriching Objects

Upon creation, you will be taken to a details screen where you can enrich the newly created object and, if desired, initiate it to a workflow (Toolbar).

Note: If the object type selected for the new object has an 'Object creation' action configured in the Configuration tool, the new object will automatically be initiated into the defined workflow. Refer to the Configuration Tool Actions topic for additional information.



If the newly created object cannot be viewed in the current perspective, then a notification displays. For example, if the Browse perspective data set is filtered and the filtering is not applicable to the new product or classification, the screen will not automatically navigate to the new object but will provide information on why a detailed view cannot be shown.



You can access these objects by navigating to them via normal means.

Details View Tiles

In the details view for both the Tasks or Browse perspectives, a series of data tiles are available that provide clear metrics about the objects in your hierarchy or workflows. The completeness and sufficiency tiles give you a view of how enriched an item or group of items are. A workflow visualization feature displays information about your products in workflows, including how far along your product is in one or more workflows.

Instrument provides these tools so users can quickly and accurately evaluate product data quality, completeness, and vital workflow information to better enable fast and timely product data delivery.

Users have the following tools available to determine data quality, data completeness, and workflow information: the Completeness Tile , the Sufficiency Scores Tile, and the Workflow Tile. The tiles are described in this section.

 **Important:** It is important to read the information within online help around sufficiency scores and product completeness. There are specific privileges that are required to calculate and view sufficiencies. For more information, start with Sufficiency Scores for Data Quality and Completeness in the Data Governance documentation.

Workflow Tile

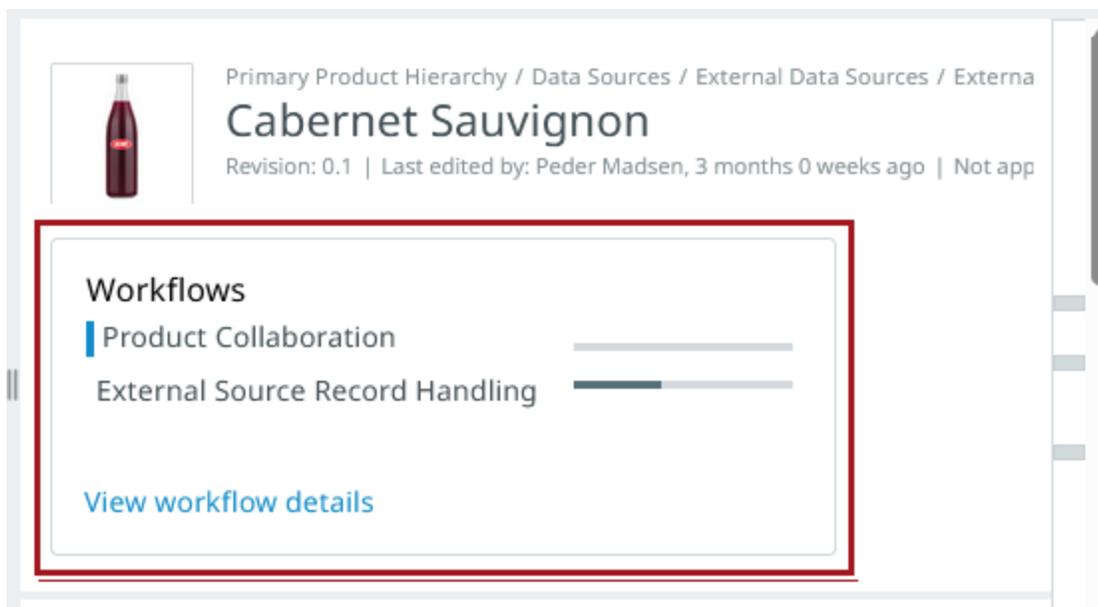
The Workflow Tile displays relevant information about an object's status in workflows, and provides access to additional, more granular information about a specific object's presence in one or more workflows. The Workflow tile can be found above the tabs in the details view in either the Browse, Tasks, or Collections perspectives. Whether it displays in your UI is conditional: if the viewed object is valid for any workflow, the tile displays to users. If the object is not valid for any workflow, the tile does not display.

Configuring the Workflow Tile

To fully configure the Workflow tile, users can configure a progress bar for each non-system workflow state an object will travel through. Configuration of the progress bar is completed in the workflow designer, which is accessible via the STEP Workbench. For more information on this step, review the Progress Bar In Workflows topic. If no progress bar is configured, workflows will display without the progress bar.

Using the Workflow Tile

To find the Workflow tile, navigate to any object currently in a workflow, and click the 'Details' button to toggle out of the table view. If applicable, the Workflow tile displays above the tabs.

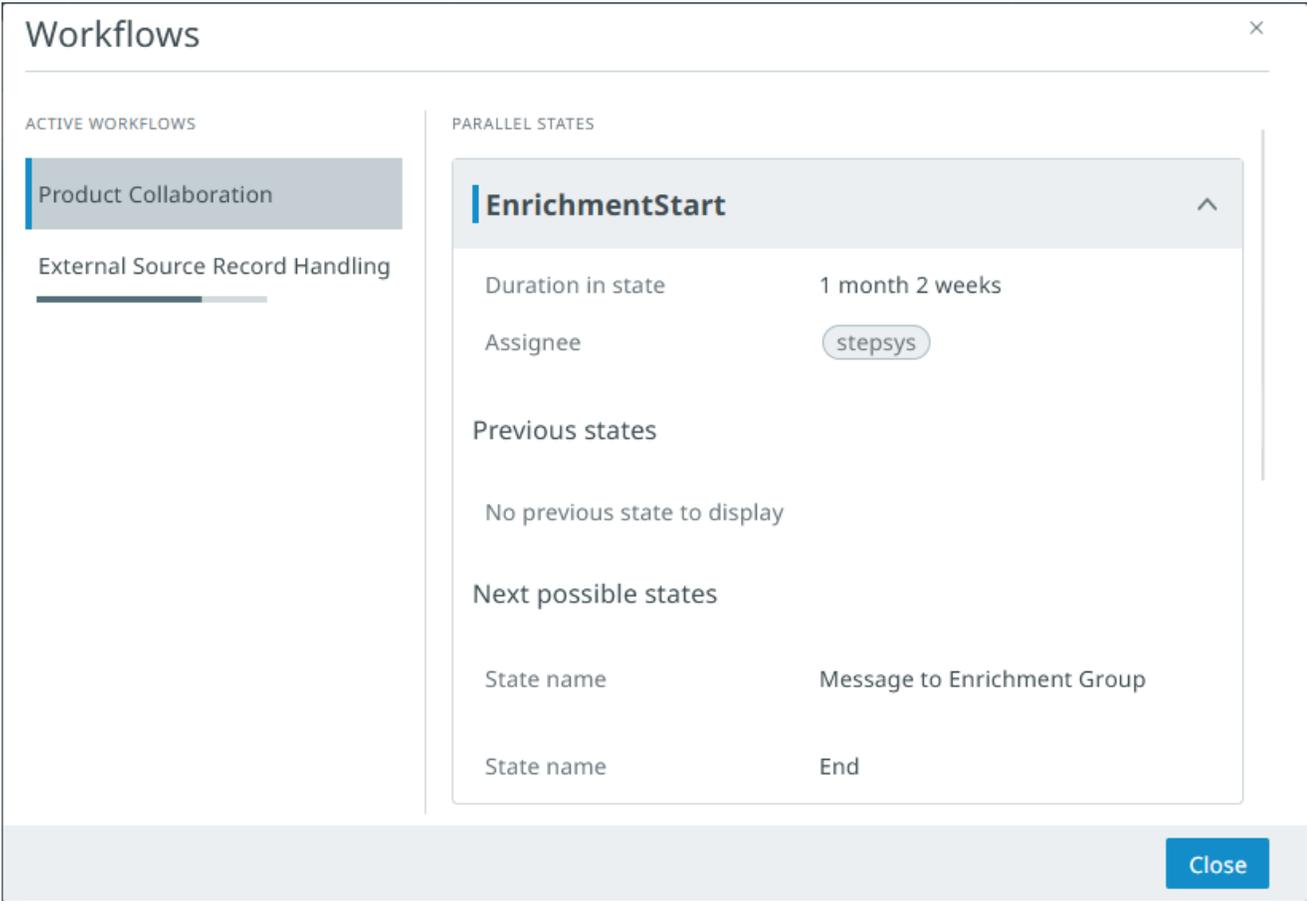


The Workflow tile lists all workflows in which the selected object currently resides. Beside each listed workflow is a progress bar, configuration of which is referenced in the 'Configuring the Workflow Tile' section just prior to this section.

A 'Workflows' window that provides users with more granular detail about the workflows in which the object resides can be accessed one of two ways. Either by clicking:

- the 'View workflow details' link button at the bottom of the Workflow tile
- any of the workflow names listed in the Workflow tile

When the 'Workflows' window is accessed by clicking a specific workflow name, the window opens showing details about the object in the selected workflow. When the window is accessed by clicking 'View workflow details,' the details of the first workflow will display when opened by default.



The screenshot shows a window titled "Workflows" with a close button in the top right corner. The window is divided into two main sections: "ACTIVE WORKFLOWS" on the left and "PARALLEL STATES" on the right.

ACTIVE WORKFLOWS: This section lists two workflows: "Product Collaboration" (which is selected and highlighted with a blue bar) and "External Source Record Handling" (which has a progress bar below it).

PARALLEL STATES: This section displays details for the selected "EnrichmentStart" state. It includes:

- Duration in state:** 1 month 2 weeks
- Assignee:** stepsys
- Previous states:** No previous state to display
- Next possible states:**
 - State name: Message to Enrichment Group
 - State name: End

A "Close" button is located at the bottom right of the window.

The 'Workflows' window is comprised of two parts: a column to the left that shows 'Completed Workflows' and 'Active Workflows' sections, and a details section to the right.

The 'Active Workflows' column lists all workflows in which the viewed object resides, along with a progress bar configured for the workflow states that comprise the workflow. If, for instance, the object resides in a workflow state configured to represent 50% progress through a workflow, the progress bar will display as half-full. If the list is longer than can be easily shown in the confines of the default window space, a scroll bar will display that enables access to all workflows. To review additional details about the object in any of the listed workflows, the user can click the relevant workflow name in the list. This prompts display of metrics about the object in that workflow in the details section.

The details section of the 'Workflows' window lists the following data points:

- the name of the workflow state in which the object resides
- how long the object has been in the state (under 'Duration in state')
- who the object / task is assigned to when in the workflow state
- the previous workflow state the object resided in just before the current state
- the next workflow state the object will progress into when it moves out of the current state

To end display of the 'Workflows' window, click the 'Close details' button in the bottom right-hand corner of the window.

Completeness Tile

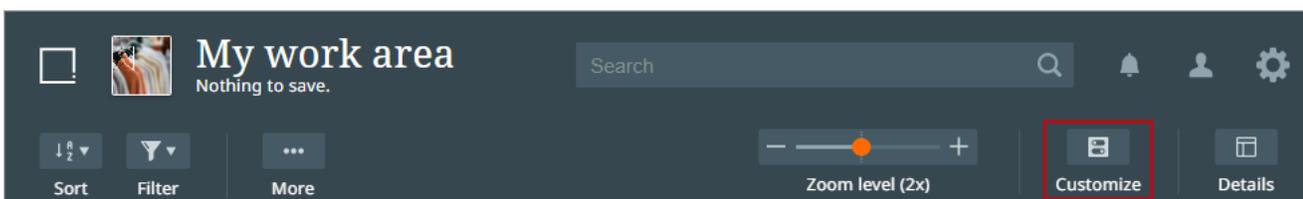
Completeness is a measure of how well a given product has been enriched with product data and is signified via a pre-configured score. Often, this score is determined by how many important attributes have been enriched with values. The Completeness tile displays data quality based on a percentage score. The percentage score itself is determined by metrics that check the attribute values of a specific product.

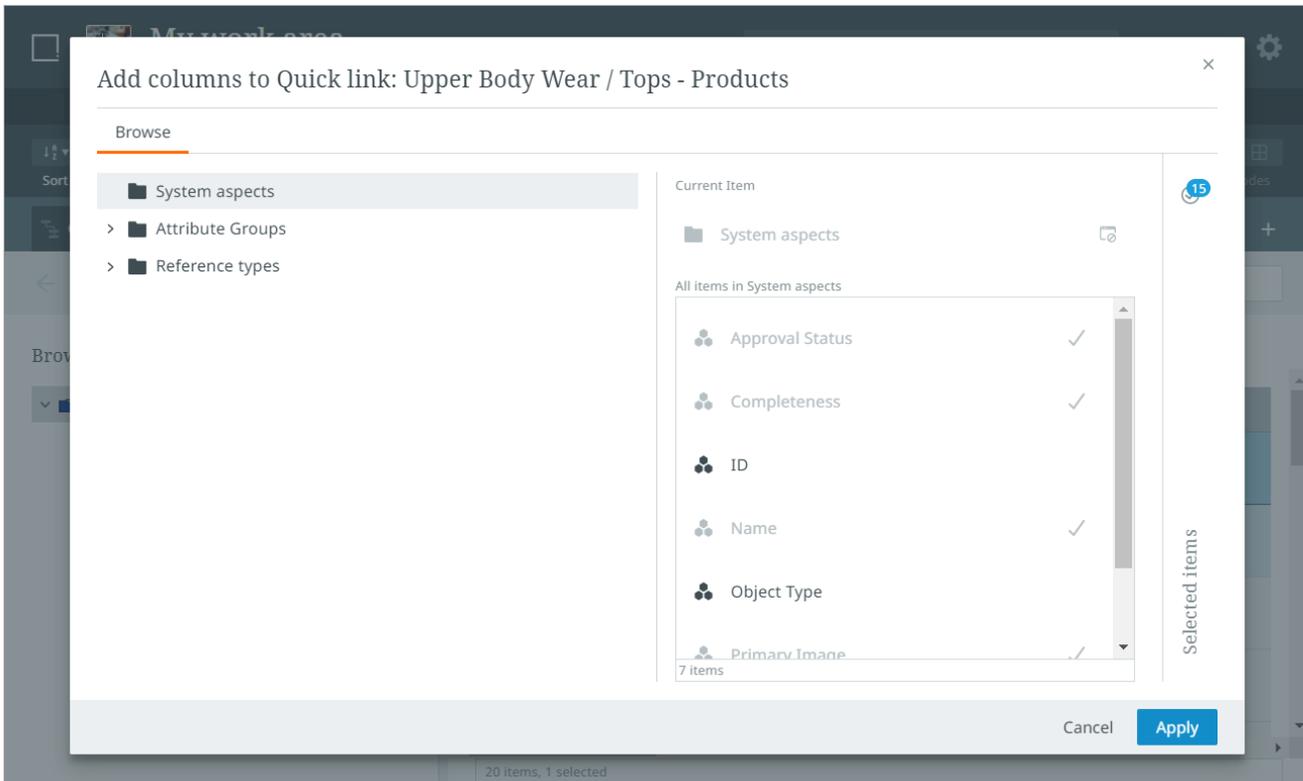


In the image above, there are two completeness scores given, each based on a metric used to determine data completeness. The first score (36%) is based on the default metric, and is shown in the circle within the Completeness tile. Clicking on this circle provides more details about the default metric and what factors were applied to generate the percentage score.

Note: The location of the attributes with incomplete values (as determined by the metric) can be located on the details page by first toggling the Display on side panel switch, and then either hovering the cursor over the flag icon indicator in the side panel, or clicking on the specific attribute link.

Completeness scores for products (based on the default metric) can also be viewed and accessed in the list view by adding the Completeness option via the Customize toolbar action.





For more information, refer to Customizing columns.

Once the Completeness column is added, the completeness score (based on the default metric) for individual products can be viewed in the list view.

<input type="checkbox"/>	ID	Prima...	Name	App Description Long ...	Completeness
<input type="checkbox"/>	201653		English Pear & Freesia perfume	* Our first fragrance....	<div style="width: 56%;"><div style="width: 56%;"></div></div> 56%
<input type="checkbox"/>	201656		Nectarine Blossom & Honey...	* Our first fragrance....	<div style="width: 79%;"><div style="width: 79%;"></div></div> 79%
<input type="checkbox"/>	201657		Orange Bitters cologne	* Our first fragrance....	<div style="width: 73%;"><div style="width: 73%;"></div></div> 73%

Additionally, when the 'Display on side panel' toggle is engaged, a blue circle icon will display to the right of the tab label for the tab that contains attributes that are missing attributes that contribute to the item's configured Completeness. Inside the circle is a number indicating how many Completeness-related attributes are missing required values. Sufficiency-related attributes may also contribute to the number in the blue circle if a Sufficiency is configured, has relevant attributes on the tab, and the 'Display on side panel' toggle for the Sufficiency has been activated.

Primary Product Hierarchy / Data Sources / ... / Upper Body Wear/Tops / Jackets/Blazers/Cardigans/Waistcoats

Cambridge Wool Coat

Revision: 0.3 | Last edited by: Rachel Buyers, 1 week 2 days ago | Not approved

Completeness

Logistic Compl... 14%

66% COMPLETE

Default Completeness (66%)

Display on side panel

Warehouse Information Language Proposal Status Asset (Buyer) Buyer Details

MISSING FIELDS ↓	SCORE ↑
Air Transportation Restrictions	(3%)
Ground Transportation Restrictio...	(3%)
Product Depth	(3%)
Product Height	(3%)
Product Weight	(3%)
Product Width	(3%)
SKU	(3%)
Supplier Part Number	(3%)

...olished while staying comfortable in this ultra-stretchy sport coat
...n an extratrim fit for a modern silhouette.

...Wool Coat

...orporation (ACME) ▼

1 Asset (Buyer) 3

Sufficiency Scores Tile

Similar to a Completeness tile, the Sufficiency scores tile can be used to check for product data quality and completeness. While the Completeness tile contains and displays scores for metrics applicable to specific products, the Sufficiency scores tile contains and displays scores for the sufficiencies applicable to specific products.

Users can click on the Sufficiency scores tile to access more information about individual sufficiencies. In the example below, there are three sufficiencies within the Sufficiency scores tile: 'eCommerce readiness,' 'Marketing Sufficiency,' and 'Asset Quality.' Clicking on an individual sufficiency displays information about that sufficiency, e.g., metrics contained within the sufficiency, and error messages. As with Completeness tiles, users can locate incomplete attribute values (based on sufficiency settings) on the Details page by first toggling the 'Display on side panel' toggle switch and then either hovering the cursor over the flag icon indicator in the side panel, or clicking on the specific attribute link. When you click on the specific attribute link, the page will auto-scroll to bring the attribute into focus on the screen.

Additionally, when the 'Display on side panel' toggle is engaged, a blue circle icon displays to the right of the tab label for the tab containing attributes missing values that contribute to the item's Sufficiency. Inside the circle is a number indicating how many attributes related to the configured Sufficiency are missing required values. Completeness-related attributes may also contribute to the number in the blue circle if Completeness has been configured, has relevant attributes on the tab, and the 'Display on side panel' toggle for Completeness has been activated.

Primary Product Hierarchy / Data Sources / ... / Upper Body Wear/Tops / Jackets/Blazers/Cardigans/Waistcoats

Cambridge Wool Coat

Revision: 0.3 | Last edited by: Rachel Buyers, 1 week 2 days ago | Not approved

Completeness

Logistic Compl... 14%

66%
COMPLETE

- Details** 6
- Pricing & Costs
- Category Info.
- Warehouse Information** 2
- Language
- Proposal Status** 1
- Asset (Buyer)
- Buyer Details

Description Information

Long Item Description: Look polished while staying comfortable in this ultra-stretchy sport coat cut with an extratrim fit for a modern silhouette.

Short Item Description: Classic Wool Coat

Brand Information

Brand Name: Acme Corporation (ACME) ▼

Manufacturer Information

To recalculate sufficiency scores once an attribute value has been updated, click the Recalculate scores link.

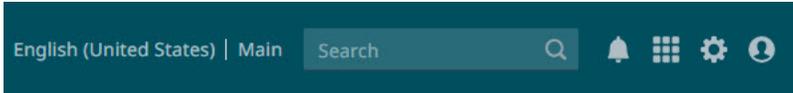
Sufficiency scores

eCommerce readiness	23%
Marketing Sufficiency	28%
Asset Quality	33%

[Recalculate scores](#)

Utilities

The utilities are located in the upper right-hand corner of the Instrument interface.



The utilities are comprised of five elements that enable users to quickly search, navigate, or configure Instrument settings.

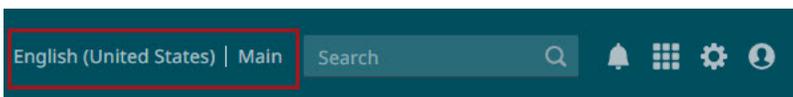
These elements are:

- Context and workspace display
- Search bar
- Quick links
- Notification center
- User settings
- Configuration tool access

These elements are described in detail below.

Context and Workspace Display

The Context and Workspace display is shown to the left of the search bar in the utilities interface.



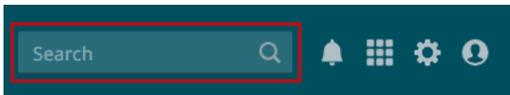
It is comprised of two elements, listed from left to right:

- **Context name:** Indicates the current context the user is viewing (e.g., language, country).
- **Workspace name:** Indicates whether the user is in the Main or Approved workspace.

This display helps users understand the scope of the data they are interacting with and ensures they are working in the correct environment.

Search Bar

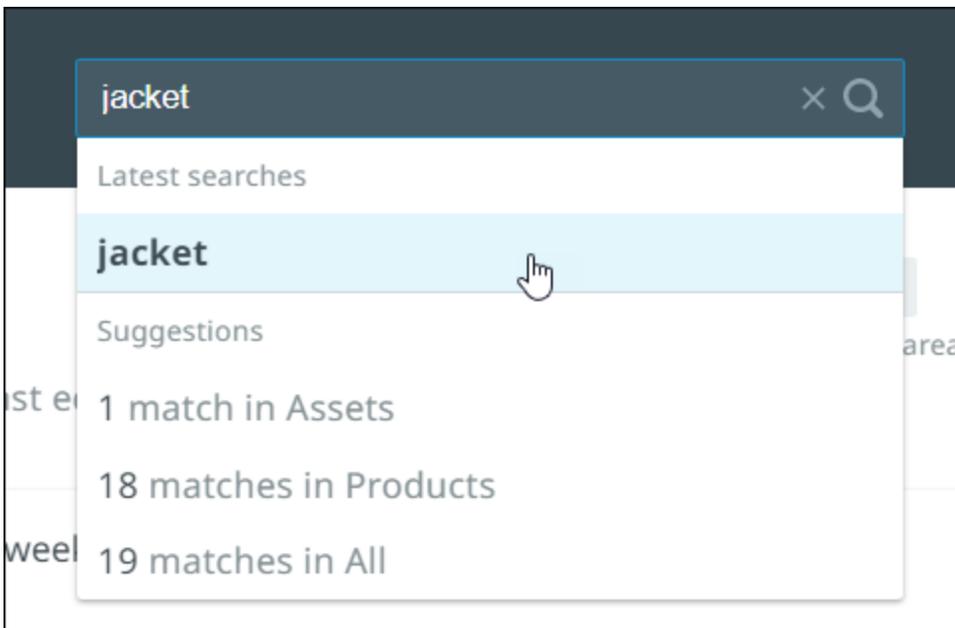
Located in the utilities section next to the Notifications icon, the search bar can be used to locate products, classifications, and assets within Instrument.



Important: Prerequisite—Verify or have a system administrator verify that a faceted search solution has been set up.

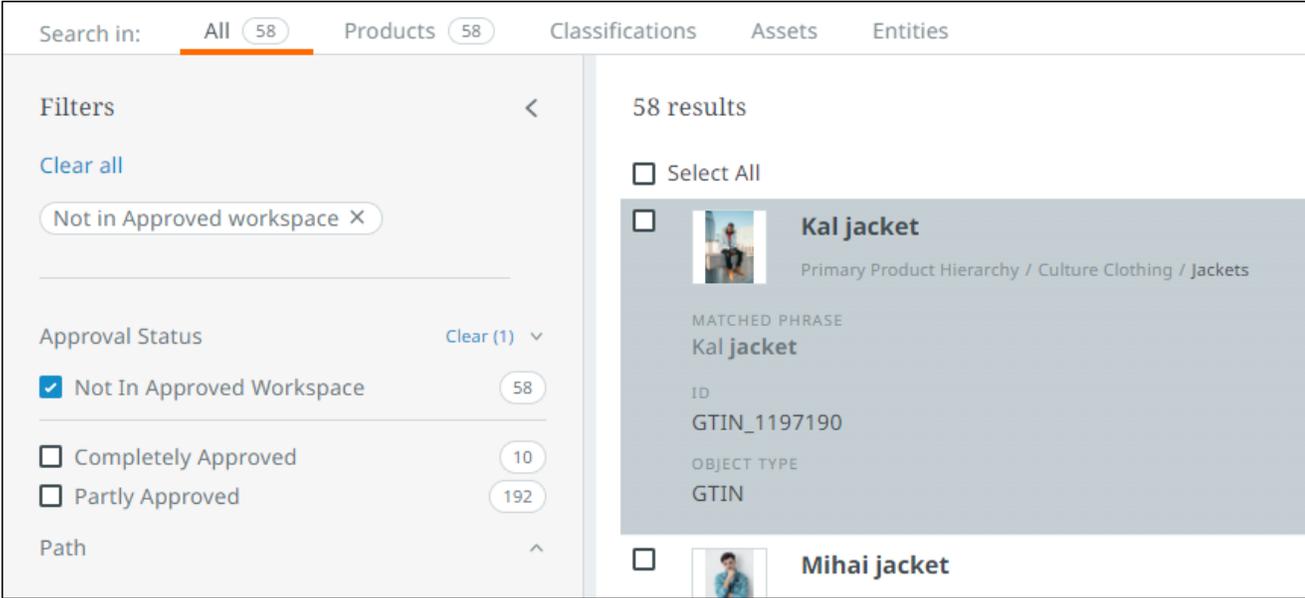
Refer to the Elasticsearch Setup topic / section in the System Setup documentation.

To search for available data, enter the search terms in the search bar, and click the magnifying glass button, hit the 'Enter' button, or make a selection from the dropdown. Or, if you prefer to navigate directly to the search screen, click the magnifying glass without typing in a search query.



Filtering Search Results

On the search screen, the column on the left contains a number of filters that can be used to narrow down search results to display only those results that are most relevant.



The screenshot displays the search interface with the following components:

- Search in:** A navigation bar with tabs for "All" (58), "Products" (58), "Classifications", "Assets", and "Entities".
- Filters:** A left-hand sidebar containing:
 - A "Clear all" button.
 - A filter for "Not in Approved workspace" with a close button (X).
 - An "Approval Status" section with a "Clear (1)" dropdown. It includes:
 - Not In Approved Workspace (58)
 - Completely Approved (10)
 - Partly Approved (192)
 - A "Path" section with an upward arrow.
- Search Results:** A main area showing "58 results".
 - A "Select All" checkbox.
 - A highlighted result for "Kal jacket":
 - Image of a person in a jacket.
 - Title: **Kal jacket**
 - Primary Product Hierarchy / Culture Clothing / Jackets
 - MATCHED PHRASE: **Kal jacket**
 - ID: GTIN_1197190
 - OBJECT TYPE: GTIN
 - A partially visible result for "Mihai jacket" below.

Click on any of the arrows to the right of the attributes in the left nav to display a list of attribute values (facets) available among the items in the list. Each attribute value will be accompanied by a checkbox and a number value that represents the number of items that have that value for the attribute. To filter your list of items to display only those items with the listed value, check the box beside the value. Multiple boxes can be checked to further refine your search and any selections made appear at the top of the list.

Filters <

[Clear all](#)

Blue X Red X

Jacket Color Clear (2) v

Type to search X

i Refine your search to see more results

<input checked="" type="checkbox"/> Blue	33
<input checked="" type="checkbox"/> Red	18
<hr/>	
<input type="checkbox"/> Black	7
<input type="checkbox"/> Green	21
<input type="checkbox"/> Yellow	54

i **Note:** Up to 1,000 distinct facet values can be displayed at once. If you cannot find what you are looking for, narrow your search further.

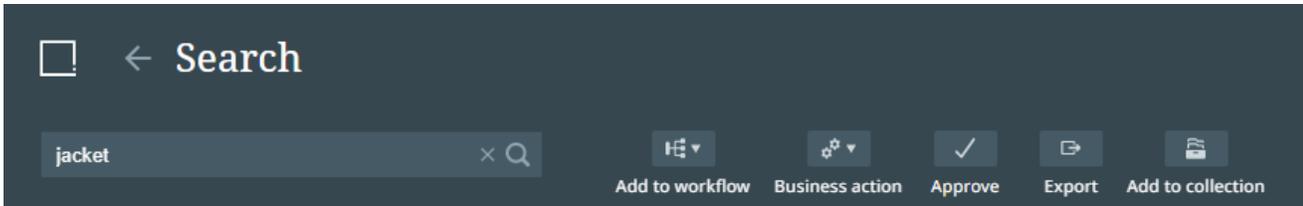
This list of facets updates dynamically in order to provide you with the most relevant options based on the content of your search.

Search Results

You can select one or more items from the search results, and take the following actions:

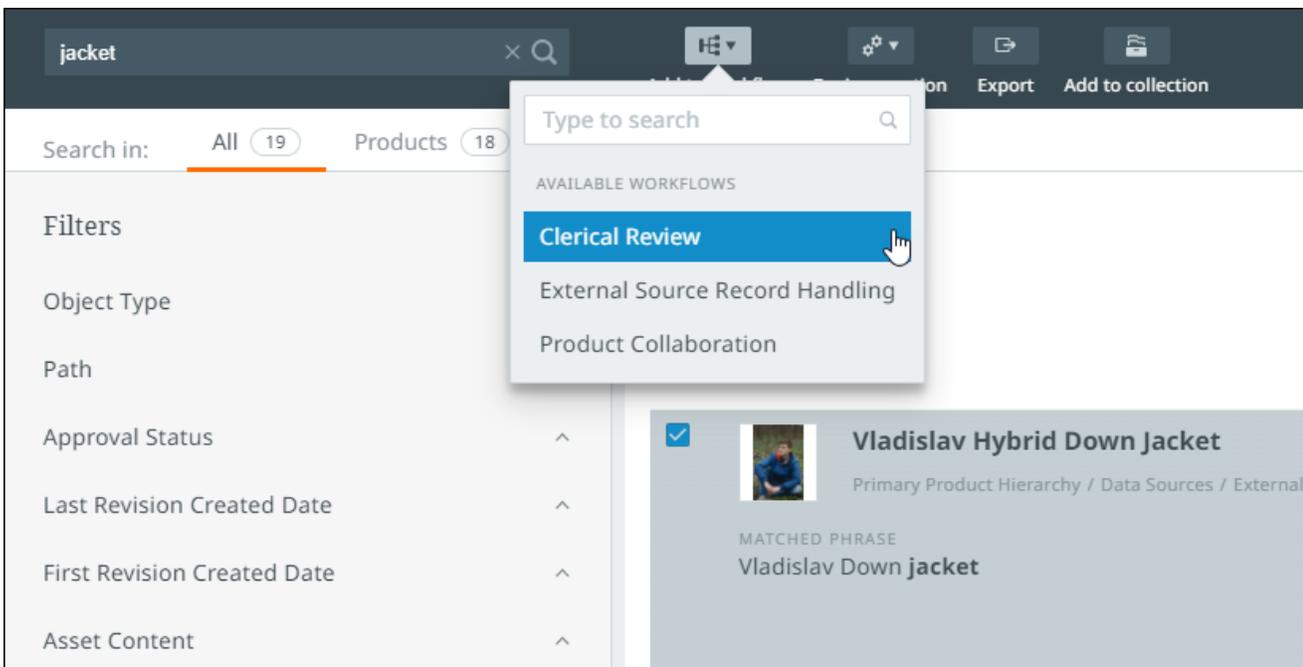
- add a selection to a workflow
- apply a business action to the selection
- approve selections

- export selections into an Excel spreadsheet
- add selection to a new or existing collection



Adding Search Results to a Workflow

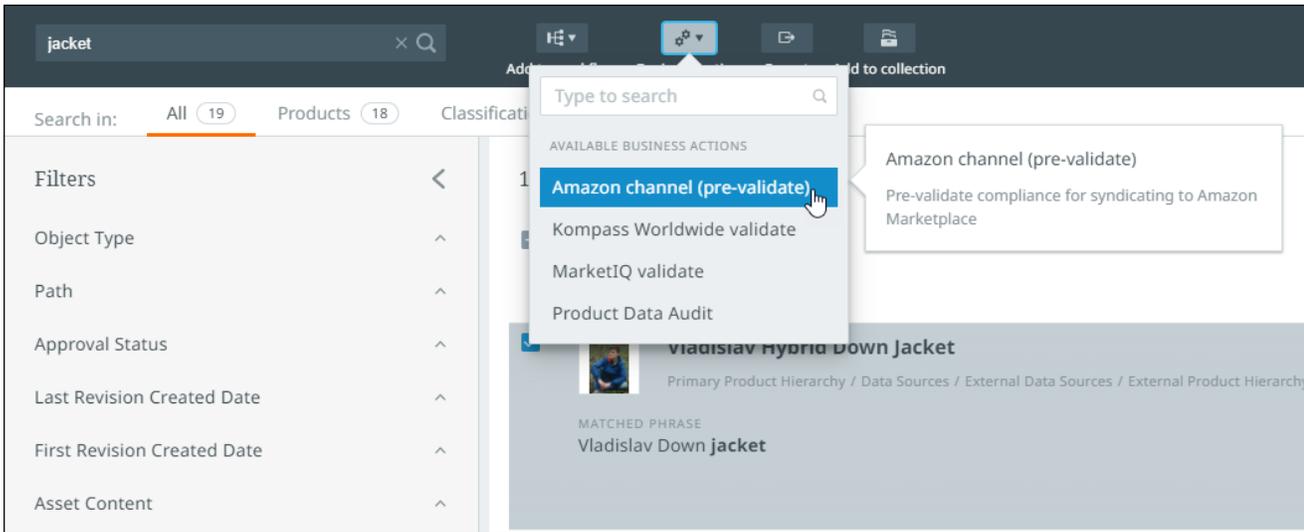
Once the selection has been made from the search results, click the 'Add to Workflow' button at the top of the screen. A dropdown will display containing the names of all workflows configured on that system. When the desired workflow has been located from the dropdown, click it. The items in the selection are now added to the selected workflow.



Applying Business Actions to Search Results

With one or more items selected from the list of search results, users can apply a pre-configured business action to that selection. To do so, click the 'Business Action' button at the top of the screen. The dropdown displays all applicable business actions configured on the system. Those business actions listed in black text can be applied

to the selection, while those in gray cannot. Hover the cursor over each business action for additional information about that business action. When the desired business action has been located, click it. Subject to the business rule configuration and the selected items' suitability, the items in the selection will have the business action applied to them.



Exporting Search Results

Once users have made their selection from the search results, users can export the data for the items in the selection based on a pre-configured export configuration by clicking the 'Export' button. If multiple export configurations have been configured, an 'Export' dialog will display that allows users to select from all export configurations that user is privileged to use. With the desired export configuration selected, clicking the 'Export' button, which also lists the number of items included in the export, initiates the export. The export file can be accessed by clicking the notifications button in the top right-hand corner of the interface.

Approving Objects in the Search Results

Once users have made their selection from the search results, users can approve the selected objects by clicking the 'Approve' button. The status of the approval can be accessed by clicking the notifications button in the top right-hand corner of the interface.

Adding Search Results to a Collection

Once the selection has been made from the search results, users can click the 'Add to Collection' button at the top of the screen (next to the search bar).

Users will then have the option to 'Create a new collection' or add the selection to an existing collection, if available.

When creating a new collection, users can pick a work area and then input the desired name for the collection.

- Use the check mark to add the collection or the trash icon to delete the information you have entered.
- To add the selection to the collection, you will choose 'Add to collection' at the bottom of the dialog.

If a collection or collections already exist, they will be listed in the dialog. Make a collection selection, and 'Add to collection.'

As items are added to a collection, the Notification center is updated and the notification gives you a link to the collection.



Note: When a specific search term is entered in the search bar, returned values based on that search term will include a breadcrumb navigation that displays the category / product path. This information is especially helpful for users that want to view the categories associated with the search results and filter the results as needed. While this is not shown above, an example can be found in the Search bar.

Search Results Product Card View

When searching for objects, you need to be able to identify them quickly when reviewing the results. The search cards which display the search results, provides you with enough information within a card view to identify the objects being returned while also allowing you to validate your search.

21 results

Select All



Slim fit Lacoste polo in petit piqué

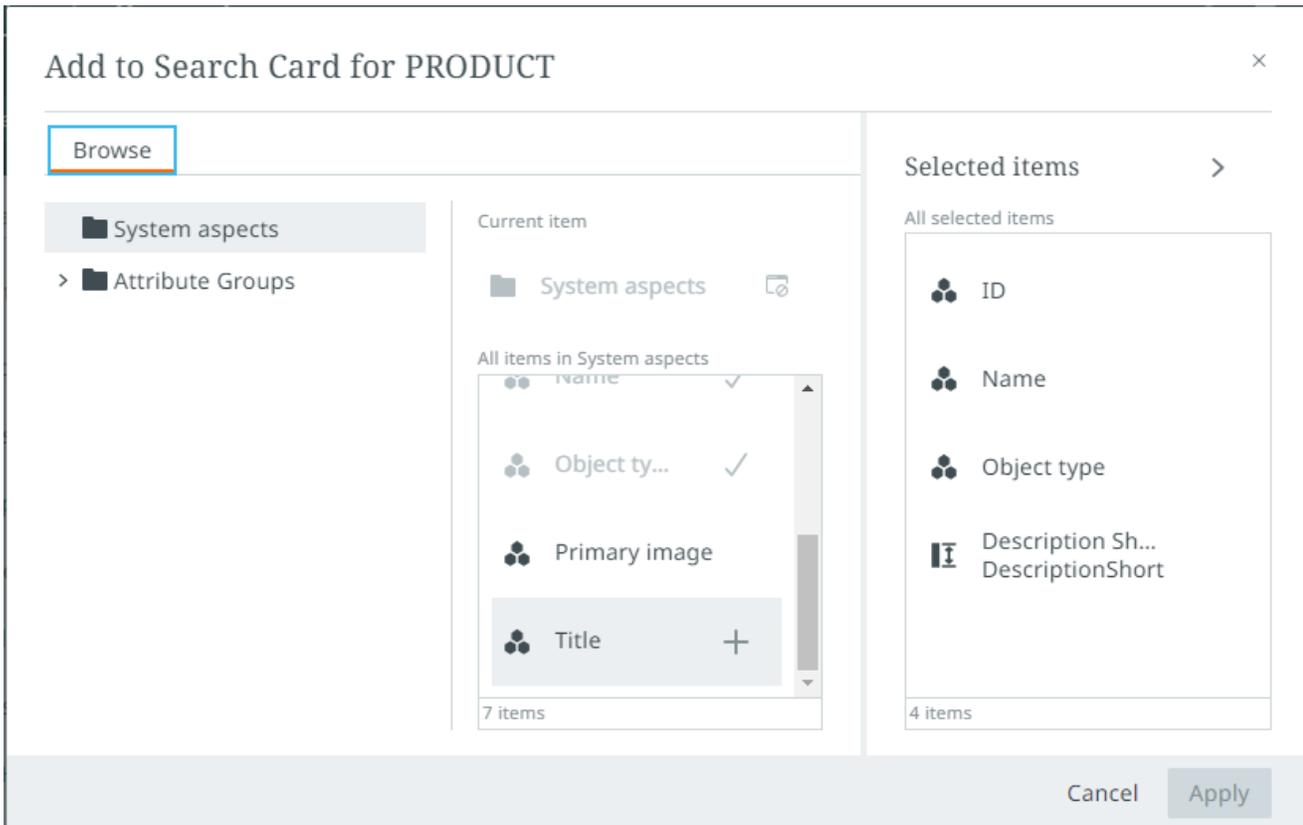
Primary Product Hierarchy / Products / Apparel / Upper body wear / T-Shirts / Short Sleeved T's

MATCHED PHRASE
A **seasonal** wardrobe essential, this polo is crafted in signature Lacoste cotton petit piqué.

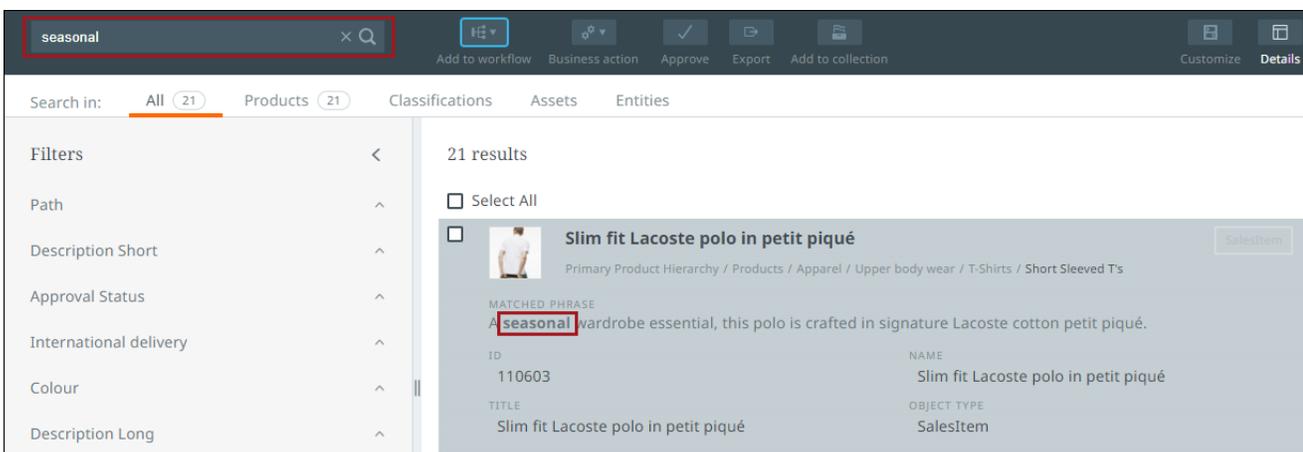
ID	NAME
110603	Slim fit Lacoste polo in petit piqué
OBJECT TYPE	DESCRIPTION SHORT
SalesItem	Comes in black, green, and white.

SalesItem

Search cards display up to four attributes per card. The attributes that are configured to show on the card view are the same attributes that will be displayed as columns if creating a new perspective with these results. These attributes can be changed by clicking the customize button via the toolbar and selecting the desired attributes from the 'Add to Search Card' menu. Only the first 4 items listed will appear on the search card. Refer to the Item Picker topic for more information.



Any relevant matched phrases appear in bold on the search card.

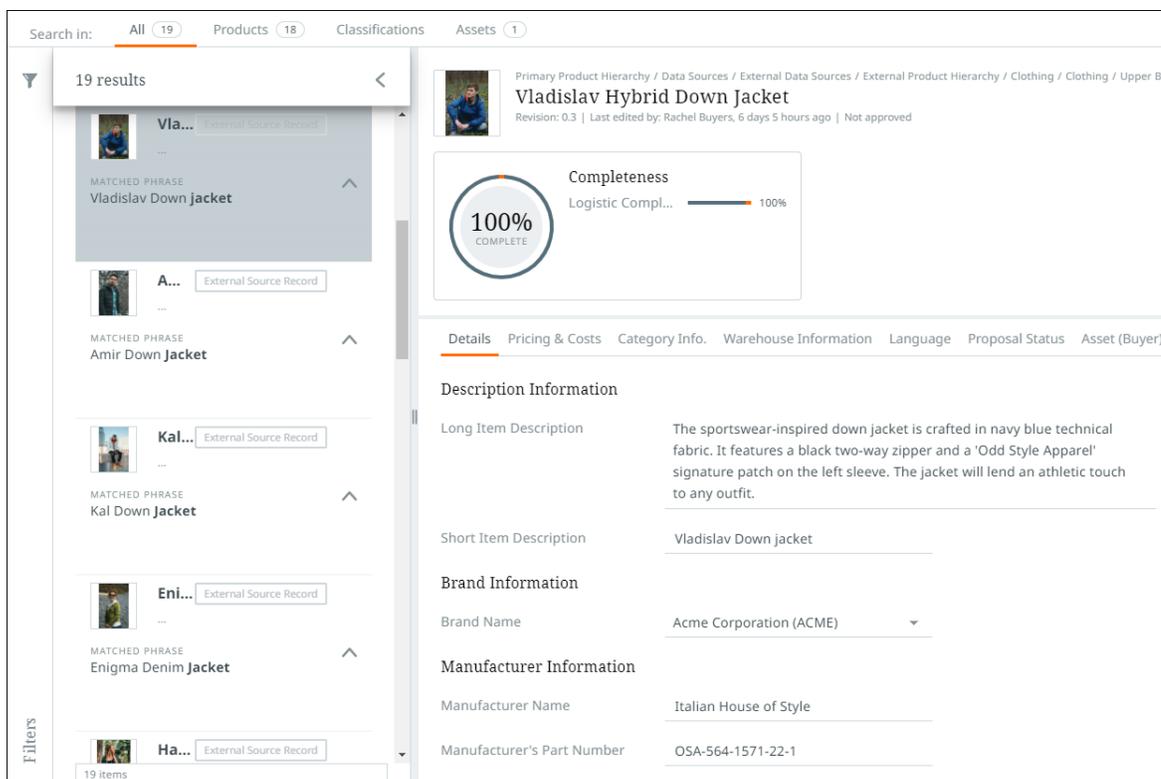


GraphQL queries have been created to retrieve search attribute configuration settings and to update attribute configuration settings. Administrators can get the information to run these queries from the Setting Business Action Availability topic.

Details Panel

If you wish to view the details of a search result, select a card or click the details button via the toolbar to open up a details panel on the right-side of the screen. Information provided in this panel is identical to the details pane found via Tasks and Browse perspectives.

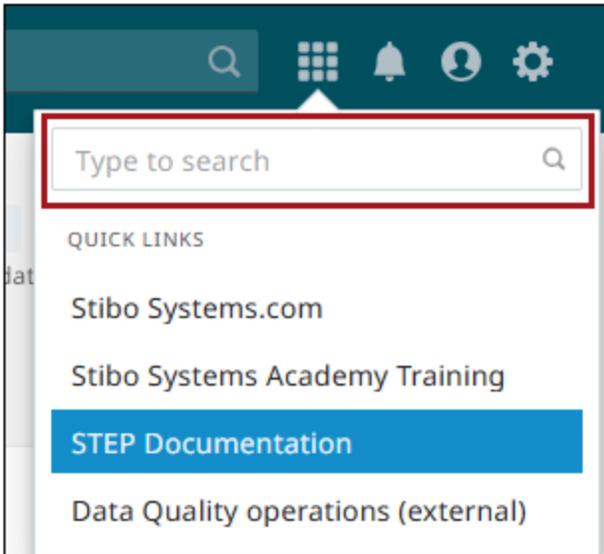
To return to the search results screen, click the details button in the toolbar.



The screenshot displays the search results interface. At the top, there is a search bar with filters for 'All (19)', 'Products (18)', 'Classifications', and 'Assets (1)'. Below the search bar, a list of search results is shown, each with a small image and a 'MATCHED PHRASE' label. The first result is 'Vladislav Down Jacket', which is selected. To the right of the search results, a detailed view for 'Vladislav Hybrid Down Jacket' is displayed. This view includes a 'Completeness' gauge showing 100% completion for 'Logistic Compl...'. Below the gauge, there are tabs for 'Details', 'Pricing & Costs', 'Category Info.', 'Warehouse Information', 'Language', 'Proposal Status', and 'Asset (Buyer)'. The 'Details' tab is active, showing 'Description Information' with 'Long Item Description' and 'Short Item Description'. The 'Brand Information' section shows 'Brand Name' as 'Acme Corporation (ACME)'. The 'Manufacturer Information' section shows 'Manufacturer Name' as 'Italian House of Style' and 'Manufacturer's Part Number' as 'OSA-564-1571-22-1'.

Quick Links

Quick links are accessible by clicking the grid icon directly to the right of the search bar. The options listed in the quick links dropdown enable users to quickly access other systems, including the Web UI and other systems relevant to their tasks. When a properly configured quick links icon is clicked, a dropdown displays showing all configured quick links. When a link is clicked, the user is navigated to the web page configured in a new browser tab.

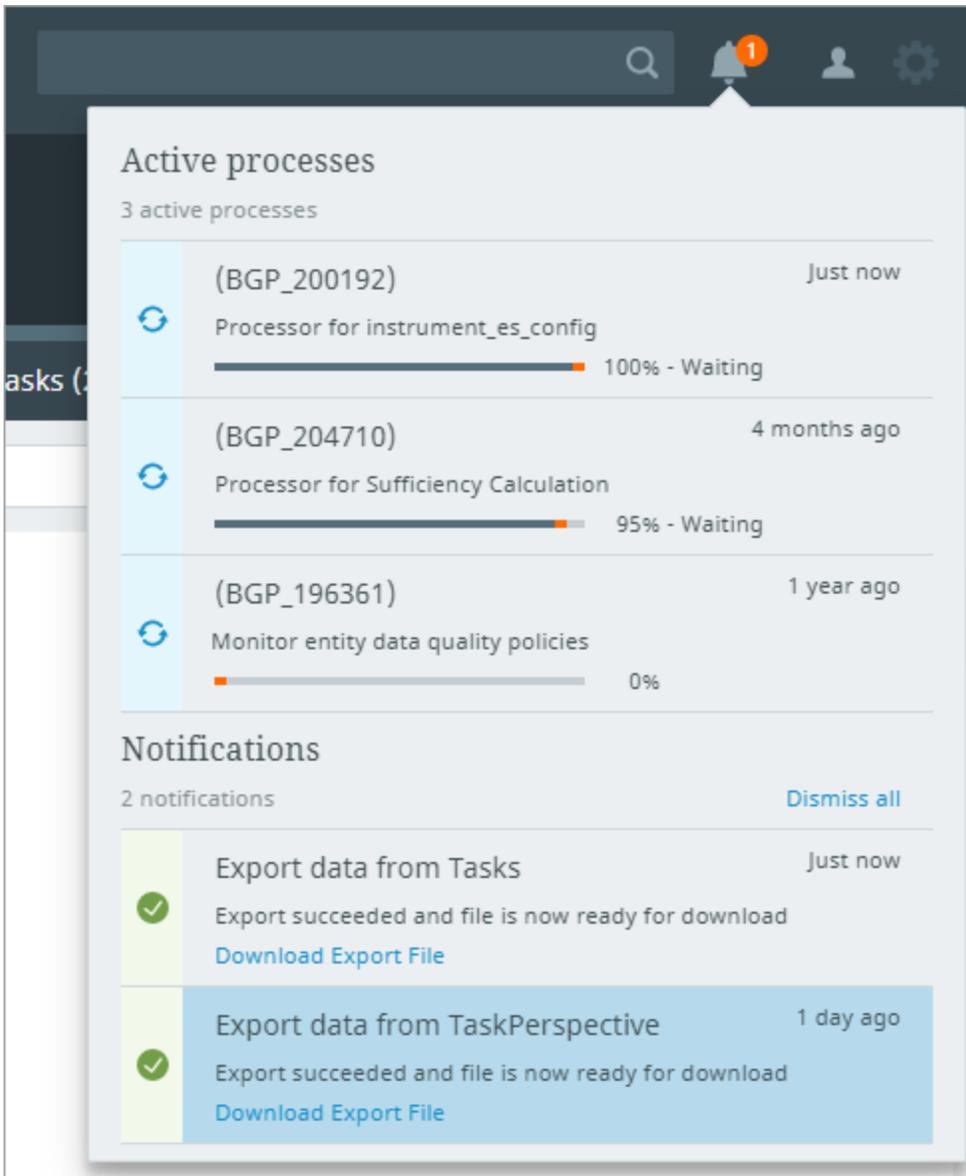


For information on how to configure quick links, review the Configuration Tool System Settings topic.

Notification Center

The notification center, accessed by clicking the bell-shaped button in the utilities, is a centralized place for:

- Keeping visibility and status of your processes running in the background away from your current activities. This allows you to continue your work after initiating large operations.
- Receiving actionable notifications that provide messaging and navigation for you to complete the call to action.



If you have any active processes or [notifications¹](#) that need your attention, they will be available upon opening the navigation panel. If working in the interface with the notification panel closed, you will receive pop-up notifications letting you know of any status changes or new notifications.

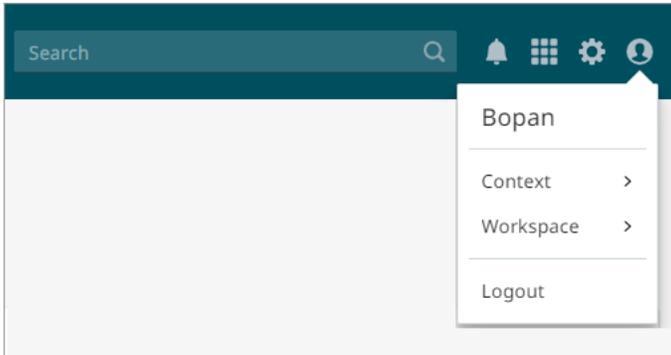
User Settings

The User Settings button, located in the utilities bar, is represented by a silhouette icon.

¹displays up to 200 of the latest notifications

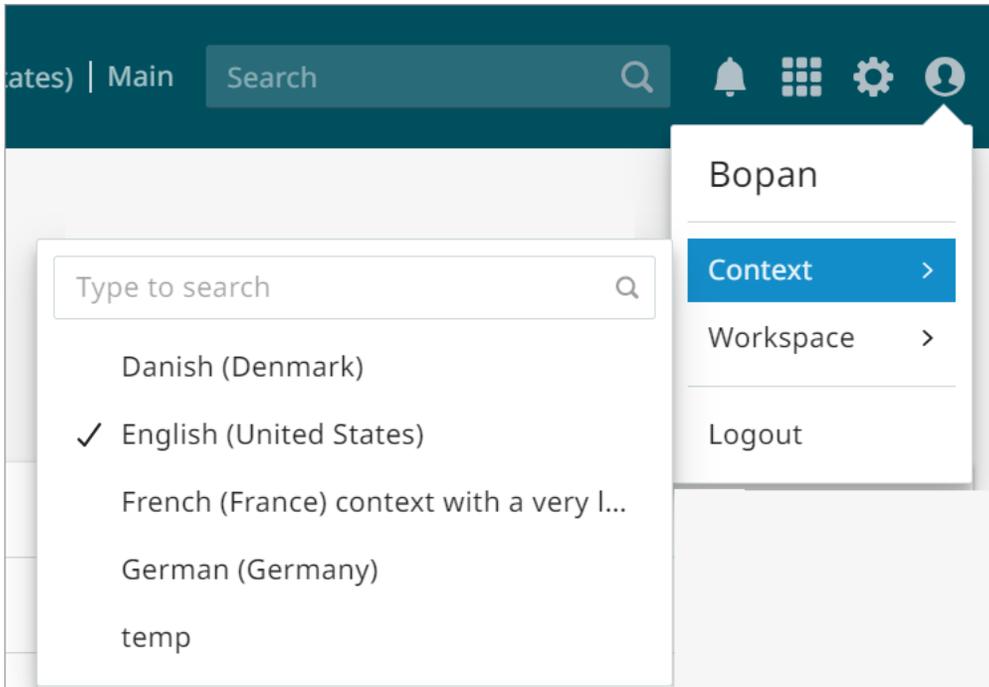


When clicked, a small dialog appears containing four elements:



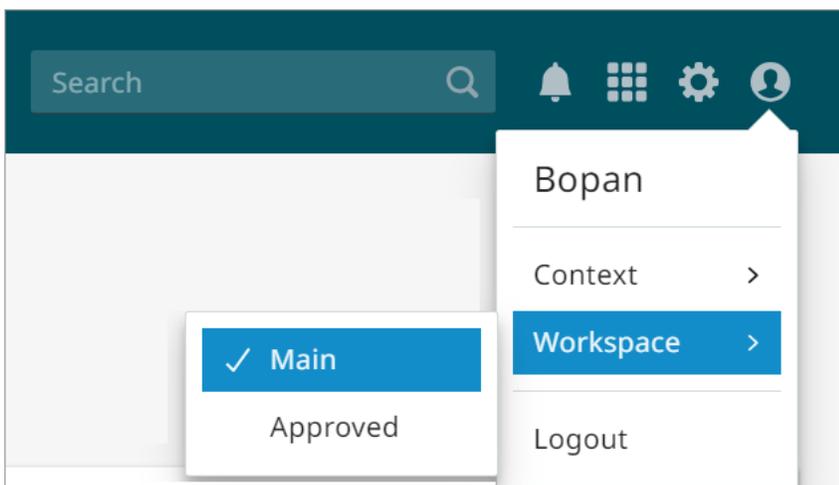
- **Username:** Displays the name of the person currently logged into Instrument UI.
- **Context selector:** A selection menu that allows users to switch between available contexts.

When the user clicks the right arrow, a dropdown menu appears. Users can search for a context using the search field or manually select one from the list. As the user types, the list is automatically filtered to show only matching contexts. To switch to a new context in the Instrument interface, click the desired option. After a refresh, Instrument opens in the selected context.



- **Workspace selector:** A selection menu that allows users to switch between available workspaces.

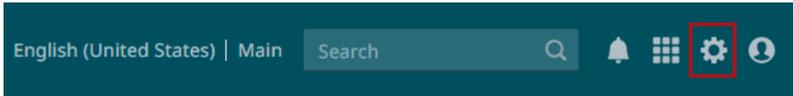
When the user clicks the right arrow, a dropdown menu appears. Users can manually select a workspace from the list. To switch to a new workspace in the Instrument interface, click the desired option. After a refresh, Instrument opens in the selected workspace.



- **Logout button:** To end your Instrument session, click 'Logout.'

Configuration Tool Access

The configuration tool can be accessed by clicking the gear button found at the far-right in the utilities. This button only displays for users with admin-level privileges.



When clicked, the configuration tool screen opens, which allows admin users to configure various parts of the Instrument interface.

For a full description of the configuration tool and how to use it, refer to the Configuration tool topics in the Administration documentation.

Data Containers

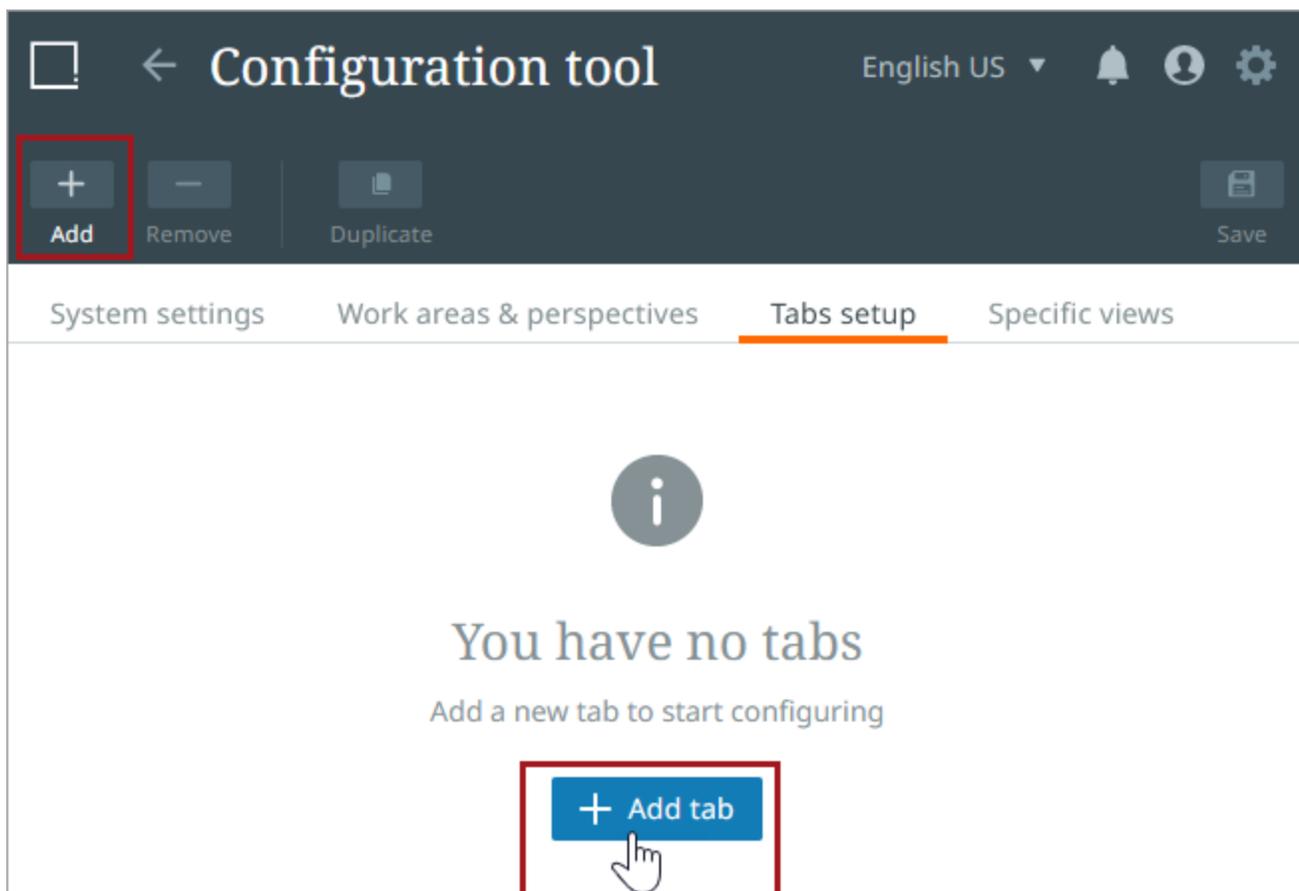
A data container allows you to represent and structure complex entity or product data through the use of composite attribute objects. For more on how to setup data containers and how they work, refer to the Data Containers section of the System Setup documentation.

Note: For data containers to display in Instrument, they must first be created in the workbench.

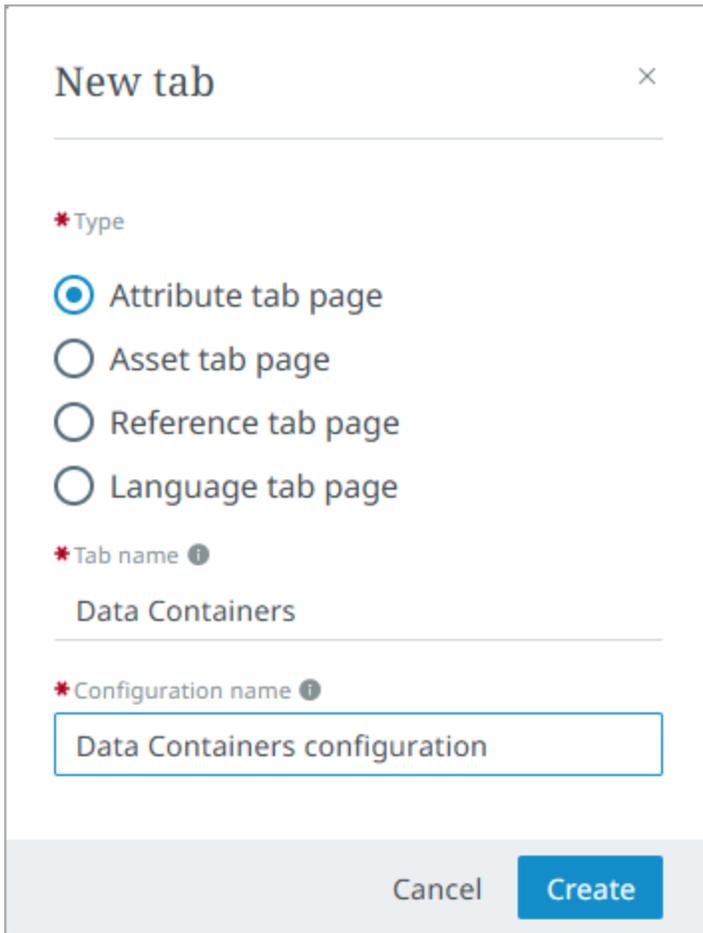
Adding Data Containers

Data containers can be added to a details view. To add a data container to the details view:

1. Click on the Configuration tool in the upper right-hand corner.
2. Select 'Tabs setup,' and click 'Add' or 'Add tab' to add a tab page.



3. Select 'Attribute tab page,' and fill out the Tab name and Configuration name fields. Click Create.



New tab

*Type

Attribute tab page

Asset tab page

Reference tab page

Language tab page

*Tab name ⓘ

Data Containers

*Configuration name ⓘ

Data Containers configuration

Cancel Create

4. On the Attribute tab page just created, fill out any needed information. For more on the Tabs setup, refer to the Configuration tool tabs setup topic. Specifically for data containers, identify the Object type(s), and in the Attribute section in the Fields parameter, add the attribute folder(s) that contain the desired data container attributes. Click Save when finished.

Configuration tool

+ Add - Remove 📄 Duplicate

System settings Work areas & perspectives **Tabs setup** Specific views

▼ All tabs

- Compare config name 1
- Data Containers configuration

Tab name ⓘ * Data Containers

Configuration name ⓘ * Data Containers configuration

Conditions for display

This tab will always be visible unless you select specific conditions for display.

User groups Search

Super Users X

Object type Search

Item X

Workflow Search

Workflow state Search

Attributes

Fields Search

Data Containers X

5. Navigate back to the details view, and click on the tab you just created. The data container displays the attributes and its data.

Shirts

Sort ↓ 2 | Add + | Delete 🗑️ | Zoom level (1x) — ● —

<input type="checkbox"/>	Brand Name	Color	size
<input type="checkbox"/>	Shirts Co.	purple	2
<input type="checkbox"/>	Shirts Co.	blue	4
<input type="checkbox"/>	ACME Co.	navy	4
<input type="checkbox"/>	ACME Co.	black	8
<input type="checkbox"/>	ACME Co.	white	0

5 items, 0 selected

For single data containers, tables appear vertical for easier viewing. If the table is inherited, the inherited icon will display next to the data container name. In the example below, the table is an inherited single data container.

References | Assets | **Data Container**

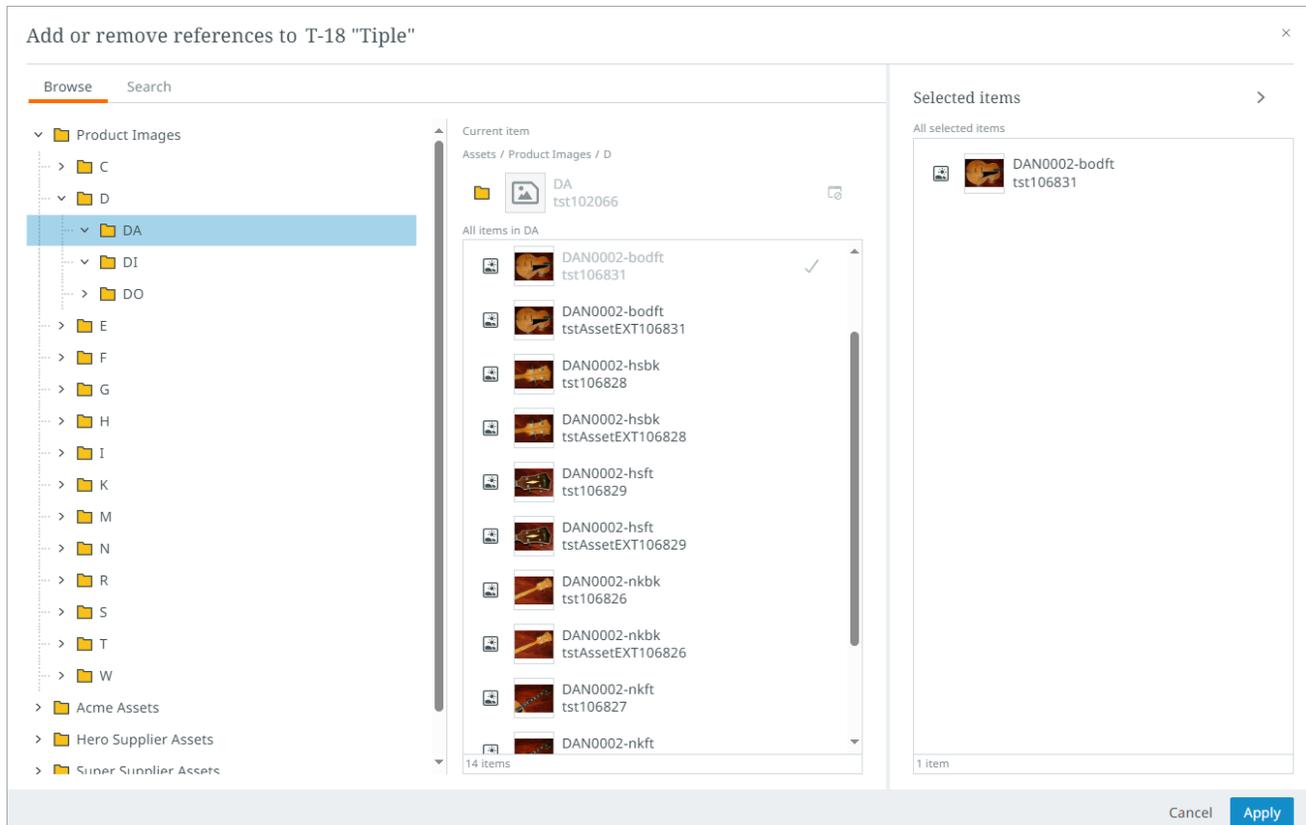
Entity Data Container Types

Main Address 1 

City	Bowling Green
Country	US
State	KY
Street	101 Main St
Zip	42101
Delete	

Item Picker

The item picker component allows users to browse or search through the available records to make selections.

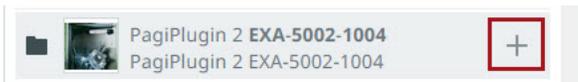


The item picker displays when users add asset, product, entity, classification references, product-to-classification links, or setting a new parent column. The item picker is also used to customize views.

The item picker opens by default on its 'Browse' tab. In the 'Browse' tab, users can navigate through system objects via an expandable and collapsible hierarchy called the navigation tree. The target object type determines what options are listed in the hierarchy. The path of the selected item is displayed in the middle panel.



In the 'Search' tab, available in the item picker only when adding a reference or link to an item or setting the parent column, users enter the desired item's name into the search bar to search for folders with items contained inside. By entering three characters into the search bar, the system presents results that align with the entered query, if present. Elasticsearch configuration is a requirement for using the 'Search' tab. For additional information on configuring and maintaining Elasticsearch, see the Elasticsearch Setup topic in the System Setup documentation. The typeahead results will display beneath the search field, and for each result, that item's object type icon, thumbnail, name, and ID will display. For each item in the typeahead results that the user wants to reference, they must click the '+' symbol that displays at the far right of the item's list-row.



When added, the selected item's plus sign ('+') is replaced with a checkmark in the list of typeahead results. It also displays in the 'Selected items' column.

If the user is, for instance, adding a reference for a single-value reference type, and an object has already been referenced and is displaying in the 'Selected items' column, the objects showing in the center column will display not with a plus sign ('+') but a replace icon, as shown in the screenshot below:



Note: The 'Search' tab is only available in the item picker when adding a reference or a link to an item and setting the value of the parent column. It is not currently available for other use cases.

The visual elements that comprise each tab of the item picker is listed and described below.

Browse

The 'Browse' tab of the item picker dialog is comprised of three vertical panels:

Tree Navigator - In this panel, the relevant hierarchy is displayed. Users navigate through the hierarchy to locate and select the desired object. The folders and objects selected from the hierarchy display in the 'Selected items' panel.

Selection List - In this panel, users can view which objects are contained in folders selected in the tree navigator panel. Objects in gray text cannot be selected. Objects in black text can be selected. To select an object, hover your cursor over that object. A '+' symbol displays to the far right of the listed object. When you click the '+' button, the object is moved to the third panel.

Selected Items - The 'Selected items' panel shows all selected objects relevant to the object being worked.

Search

The 'Search' tab of the item picker dialog is comprised of two vertical panels:

Search and select items - At the top of this panel is the search bar. Users type their search query into this field and the typeahead results display beneath the search bar.

Selected Items - The 'Selected items' panel shows all selected objects relevant to the object being worked.

To save and apply the changes made on either tab of the item picker, click the 'Apply' button. To disregard any changes made in the item picker, click the 'Cancel' button.

For more information on how the item picker works in the 'Assets' tab, review the 'Assets Tab' section of the Tabs topic.

Administration

Administration for Instrument is not required within Instrument itself, the functionality of Instrument does rely on your data model and additional configuration from within the workbench.

This section goes over administration specific to Instrument.

Prerequisites

- Be on the most recent STEP version. Going forward, update to the latest version when available. Instrument updates will not be backported.
- Verify that you have set up (integrated and configured) a faceted search solution to use the search functionality. Refer to the Elasticsearch Setup section of the System Setup documentation.
- Verify that your system has In-Memory. Refer to the In-Memory Database Component for STEP section of the Resource Materials online help documentation.
- Verify that you have a classification folder set up to allow users to make a selection for their work area image. The default ID for the classification folder is ID = IllustrationRoot, but can be changed based on user requirements via a GraphQL mutation. Refer to the Setting default asset upload classification topic for instructions. If the user encounters an error (i.e., 'Error with asset upload configuration'), check to ensure the default or configured classification folder exists and users have privileges required to access the classification folder.
- Verify that you have set up business actions and designated a specific setup group for Instrument users to access and use. By default, no business actions are shown without this setup. Refer to Setting business action availability for instructions.

Centralized Configuration

Centralized configuration is a centralized storage model for configurations. The centralized configuration concept is intended to make Instrument usage much easier for users and admins. The configurations are stored in System Setup nodes that live below Setup Groups within System Setup. The system relies on the presence and the content of these configurations, and it will change or remove the configurations when necessary.

Additionally, there is a 'Centralized Configuration Attributes' attribute group that works with these configurations.

Important: Do not make any manual changes to any of these 'Centralized Configurations' nodes / groups.

Instrument will no longer function if you make changes.

Administrators should review the Configuration Management - Export topic to understand centralized configuration solution details and how to export configurations to import into other systems for a Development, Testing, Acceptance, and Production (DTAP) approach to testing and deployment.

Using GraphQL, administrators can make a few changes that will be stored in the centralized configurations storage model as mentioned above. Examples of this are in the Setting business action availability topic.

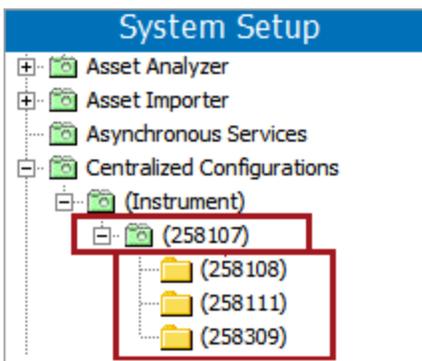
Configuration Management - Export

In this topic, you will find information regarding the options you need to select in the workbench Export Manager to export the needed configurations. Exporting the configurations allows you to transfer the configurations using STEPXML to support a development, testing, acceptance, and production (DTAP) approach to testing and deployment.

Configurations can be stored on the user-level, user group-level, or global- (default settings) level.

- If no configurations are stored on the user level, then the system will look for the user group level.
- If no configurations are stored on the user group level, then the system will look at the global level (default settings).

In step 2 (Select Objects) of the Export Manager Wizard, select the 'Configuration System'-level setup group tree node in the setup group hierarchy holding centralized configurations. Also, select all setup entities below the 'Configuration System'-level.



In the screen shot below, the 'Configuration System'-level setup group and the three setup entities in the setup group are selected.

Export Manager

Steps

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

Select Objects

ID	Name	Object Type	Path
> 258107	(258107)	Configuration System	Centralized Configurations/(Instrument)/(258107)
> 258108	(258108)	Centralized Configuration Value Holder Type	Centralized Configurations/(Instrument)/(258107)/(258108)
> 258111	(258111)	Centralized Configuration Value Holder Type	Centralized Configurations/(Instrument)/(258107)/(258111)
> 258309	(258309)	Centralized Configuration Value Holder Type	Centralized Configurations/(Instrument)/(258107)/(258309)
Add Objects			

Only export selected objects

Only export leaf objects

Export: All ▼

Include object types <All object types> ...

Refer to the online version of this topic for the template and a sample generated STEPXML file.

Configuration Management - Import

In this topic, you will find information regarding configuration management in Instrument and how an Instrument UI configuration from a source system can be imported into an Instrument UI configuration on a target system.

For information related to readying your Instrument UI configuration for import, review the Configuration Management - Export topic, also found in the Administration documentation.

Importing an Instrument UI configuration is accomplished via the Import Manager.

The ability to manage Instrument UI configurations supports an array of use cases. What follows are the most common use cases where an Instrument configuration on a pre-production system is imported into a production system:

Configuration Replacement : Replacement rules can be added in the import STEP XML file to fully replace an existing Instrument configuration with an imported configuration. One use case where this option would be useful is where the admin knows the import configuration should replace all user groups and default configurations. The admin can use replacement rules to specify replacement of all default configurations and user group-owned configurations. This method might be optimal in an instance where a configuration is moved to a live system from a test system from which all the test system configurations are correct and up to date.

When admin users replace an existing Instrument configuration with a new one:

- existing elements in the target system are updated with the changes made in the source system
- elements deleted in the source system will also be deleted in the target system
- elements not in the source system will be deleted from the target system

Refer to the online version of this topic for an example STEPXML file.

Each of the rules included in the online version of this topic accomplishes a specific replacement task:

1. <ReplaceCentralizedConfigurationInstances OwnedBy="UserGroup"?> -- This rule removes all user group configurations, but leaves all other configurations untouched.
2. <ReplaceCentralizedConfigurationInstances OwnedBy="Default"?> -- This rule removes all default configurations, but leaves all other configurations untouched.
3. <ReplaceCentralizedConfigurationInstances OwnedBy="User"?> -- This rule removes all user configurations, but leaves all other configurations untouched.

In the example use case included in the online version of this topic, the admin would apply rules 1 and 2 to the import STEPXML file to replace all configuration but those owned by the users.

Full replacement of an Instrument configuration by an imported configuration will require that all three replacement rules are added to the import configuration file.

Merging configurations: Imports an Instrument configuration from one environment into an Instrument configuration in another environment, retaining important elements of both. To merge configurations, no replacement rules should be applied. For instance, if the admin wants to add Accelerator for Retail to a system in which Accelerator has never been installed, the admin will not use replacement rules as the admin wants the new Accelerator configurations to be added to the existing configurations.

Additionally, if the admin wants to update their existing Accelerator configurations on a system with a new Accelerator package, the admin will also not use replacement rules as they want the new configurations to be merged with existing configurations and, where the configurations match, the new configurations must overwrite the old.

Instrument configuration imports fail in cases where the import cannot create a new setup entity or update an existing setup entity. In all other cases, the import will complete. The import may complete with errors if the imported configuration from the source system refers to any of the following elements absent from the target system:

- workflows
- workflow states in an existing workflow, or workflow states in a non-existing workflow

- perspectives included in a non-existing work area
- user groups or users
- object types

In all cases, the ID of the missing object will be reported in the import's execution report.

When importing an Instrument UI configuration from a source system to a target system, it is not possible to import only a selected configuration from the source system to the target system. All work areas, perspectives, and tab configurations configured on the source system will be imported to the target system.

All work areas in the target Instrument UI configuration source system are retained upon import. Because the import process does not allow for admin users to select which work areas to import in the import configuration, all work areas will be imported and will display in the target Instrument UI, (subject to the users granted the appropriate privileges required to view those work areas).

 **Note:** Admin users cannot delete the setup entities that store the centralized configurations.

Additional Considerations for Administrators

For admins importing an Instrument UI from a source system into a target system, there are aspects of the import that are important to be aware of:

- Because work areas on a target Instrument UI are not overwritten by those on the source system's Instrument UI during import, all work areas deemed unnecessary must be deleted manually by the admin. Deletion of work areas must be done using the configuration tool in Instrument. For more information on managing work areas, refer to the Work areas topic.
- Work areas, perspectives, and tabs configured on the target UI that have the same ID as those found on the source UI will be overwritten upon import.
- If a specific view has been configured for an object type on the target Instrument UI, and a specific view has been configured for the same object type on the source Instrument UI (or vice versa), the two views will be in conflict upon import and will display as an error in the import execution report. Both views will be present in the post-import UI; the admin user will be responsible for reviewing the two views and deleting the unnecessary view.

Configuring the Compare Tab

To configure a 'Compare' tab for use in a details view, a GraphQL mutation must be drafted. By setting one or more 'ConditionTypes' on the mutation, admins can determine under what circumstances a 'Compare' tab will display.

To run this mutation from your local STEP environment, follow the steps described below:

1. Open the local GraphiQL editor by navigating to your local STEP server using this URL template: `https://[servername]/graphqlv2`
2. Enter your login credentials (creating this tab requires admin access)

Written below is an example of the 'Compare' tab mutation, followed by a description of the relevant elements that will need to be amended from the example to make the 'Compare' tab useful for each instance. Copy from this example mutation (using the 'Copy' link in the upper-right hand corner of the example) and paste it into GraphQL:

```

1 mutation writecfg {
2   updatePerspectiveView(input:
3     {propertyName: "CompareRecords",
4     configurationName: "Compare Records - Configuration",
5     tabType: "COMPARE",
6     viewName: "Compare Records",
7     groupId: "PMDM.UG.BuyerGroup",
8     conditions: [
9       {conditionType: "ObjectType", objectTypeIDParameter:
10        "PMDM.PRD.InternalSourceRecord"},
11      {conditionType: "Task", workflowIDParameter:
12        "PMDM.WF.InternalSourceRecordCreation", stateIDParameter: "Buyer_Review"},
13      {conditionType: "Workflow", workflowIDParameter:
14        "PMDM.WF.InternalSourceRecordCreation"}
15    ]
16   })
17 }

```

```

12     ],
13     viewContents: [
14         {itemID: "CharacteristicsAttributes", itemType: "attributeGroup"}
15     ]
16     }
17 ) {success}
18 }

```

- Tab ID:** On line three (3) in the example (propertyName), the 'Tab ID' refers to the unique ID for the specific tab referenced.
- Configuration Name:** On line four (4) in the example (configurationName), the 'Configuration Name' is the label given to the tab configuration as it displays in the 'All tabs' and 'Available tabs' sections of the 'Tabs setup' tab in the Configuration tool. This allows admin users to visually distinguish between similar tabs in the configuration tool. It is not the 'name' of the tab, nor the 'ID'; it is only the name of the tab configuration.
- Tab Type:** On line five (5) in the example is 'Tab type' (tabType). The 'Tab type' refers to the type of the configured tab, and cannot be customized. The 'Compare type' for all 'Compare' tabs is 'COMPARE.'
- View Name:** On line six (6) in the example is 'View Name' (viewName). The value added determines what label displays on the tab itself in the details view wherever the tab is configured to display.
- Group ID:** On line seven (7) in the example is 'Group ID' (groupID). The value(s) added define the user groups for which this tab will display. For instance, if the user group 'Data Stewards' is listed but the user group 'Marketers' is not, the configured tab where all conditions are met will display for users in the group 'Data Stewards,' but not for users in the 'Marketers' user group.
- Conditions:** On line eight (8) in the example is 'Conditions' (conditions). In this section of the mutation, admins can list the conditions under which the configured tab will display. Adding conditions is optional: if no conditions are defined, the tab will be shown on all object types in all contexts on both the Browse and Tasks perspectives. For example, admins can stipulate that a user must be viewing a product of a specific object type, in a specific workflow, and / or in a specific workflow state. If all requirements are met and the user is in a configured user group, the tab will display. If any of the added conditions are not met, the tab will not display.

- **View Contents:** On line thirteen (13) in the example is 'View Contents' (viewContents). In this section of the mutation, admins can list all attribute groups required to display in the configured tab.
- **GraphQL call:** On line seventeen (17) in the example is the 'GraphQL call.' This element in the mutation is meant for the admin writing the mutation. This element confirms when the GraphQL call is successful.

Configuration Tool

The Configuration tool is a feature that enables users with admin privileges to configure preset settings in Instrument. The tool can also be used to set a context for users under the admin Main settings. The purpose of the Configuration tool is to enable businesses to tailor and customize work areas to specific user roles within their organization, streamlining Instrument UI with simple steps to meet customer needs.

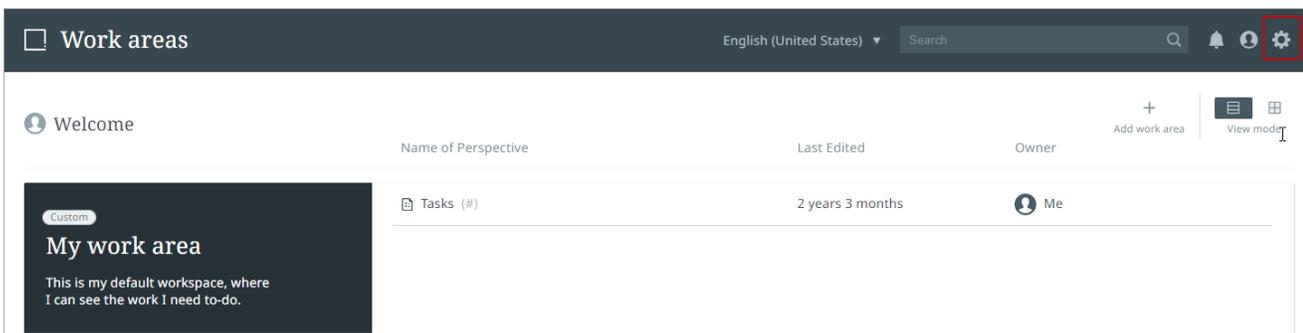
The Configuration Tool controls the following areas:

- **System settings:** sets context for users. For more information refer to the Configuration Tool System Settings topic.
- **Work areas and perspectives:** admin users can create preset (default) work areas and perspectives for users. For more information refer to the Configuration Tool: Creating Perspectives and Work Areas topic.
- **Tabs setup:** admin users can create default tabs in perspectives for users. For more information refer to the Configuration Tool Tabs Setup topic.
- **Specific views:** admin users can maintain Browse table configurations for end users. For more information refer to the Creating a Browse Perspective topic.
- **Actions:** admin users can create preset actions that are automatically triggered based on the type of action created. For more information refer to the Configuration Tool Actions topic.

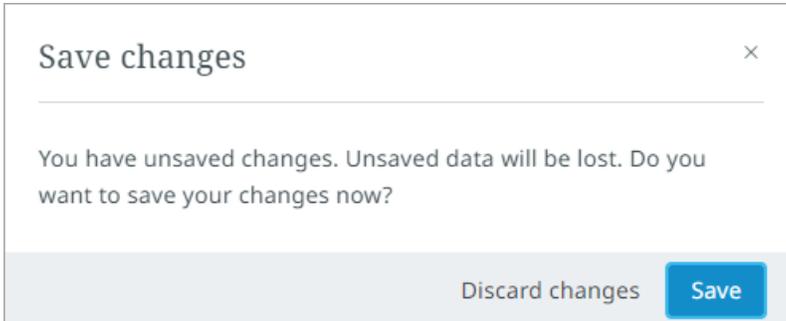
Accessing the Configuration tool

To access the Configuration tool, the admin user will need the 'Web UI Administration' privilege (from Setup Actions). When an admin user is logged in, a gear icon displays in the upper right corner of the screen.

To use the Configuration tool, click the gear icon found to the far right in the utilities section.



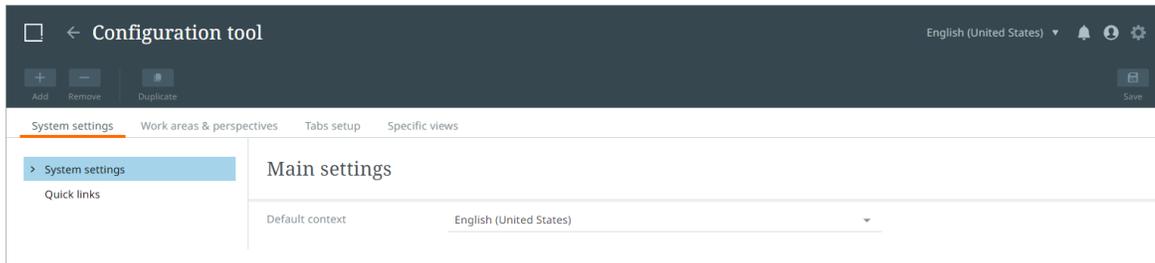
Any changes, deletions, or additions performed in the Configuration tool will not be auto-saved. If the admin user tries to leave the page without saving, the 'Save changes' dialog will appear until 'Save' or 'Discard changes' has been selected. Users can also exit the dialog without saving changes by selecting the 'x' in the upper right corner.



Configuration Tool System Settings

The Configuration tool 'System settings' tab allows admin users to select default contexts for new users and to configure quick links for fast access to other related systems.

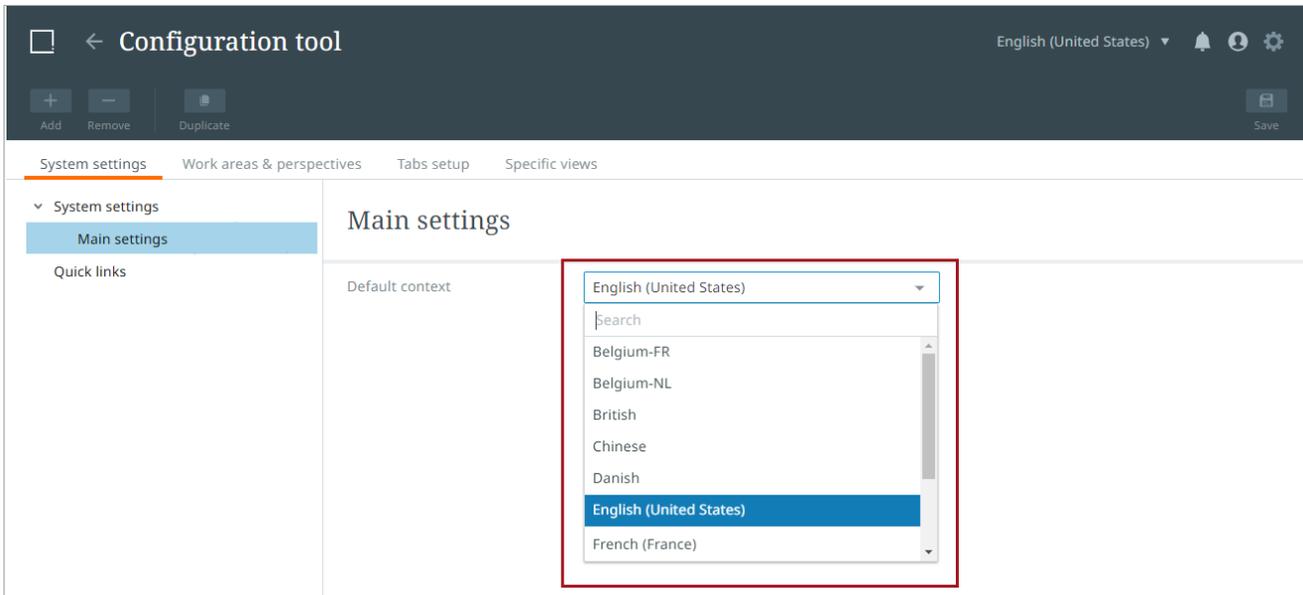
To configure system settings, click the 'System settings' tab in the Configuration tool. On this tab, the admin user will be able to configure the default context and quick links.



Setting the Default Context

The default context is the context the Instrument UI will be set to by default for all users. To set the default context for new users, follow the instructions listed below.

1. Click 'Main settings' in the navigation panel (you may have to expand the 'System settings' node to see it) and select the dropdown option next to 'Default context'
2. Select the desired context.



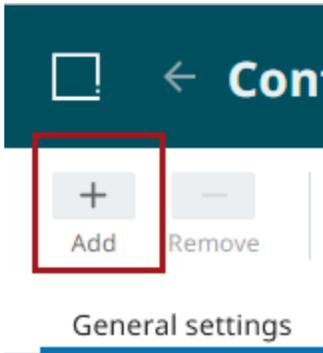
Once a context has been selected and changes have been saved, the selected default context will be the applied context for new users. Users can still select another context other than the default context. If a user selects a different context from the preset option, it will override the default context.

Note: Click 'Save' in the upper right corner to keep all adjusted settings.

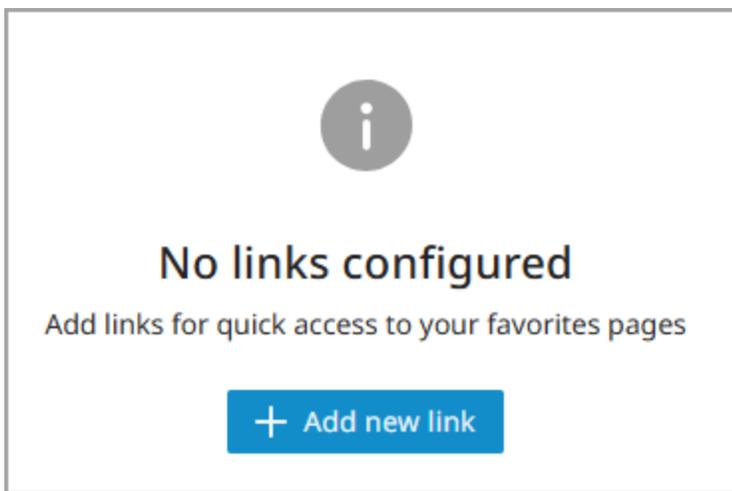
Configuring Quick Links

Quick links are user-configurable links to websites accessible via the quick links button in the utilities section. To configure one or more quick links, follow the instructions listed below.

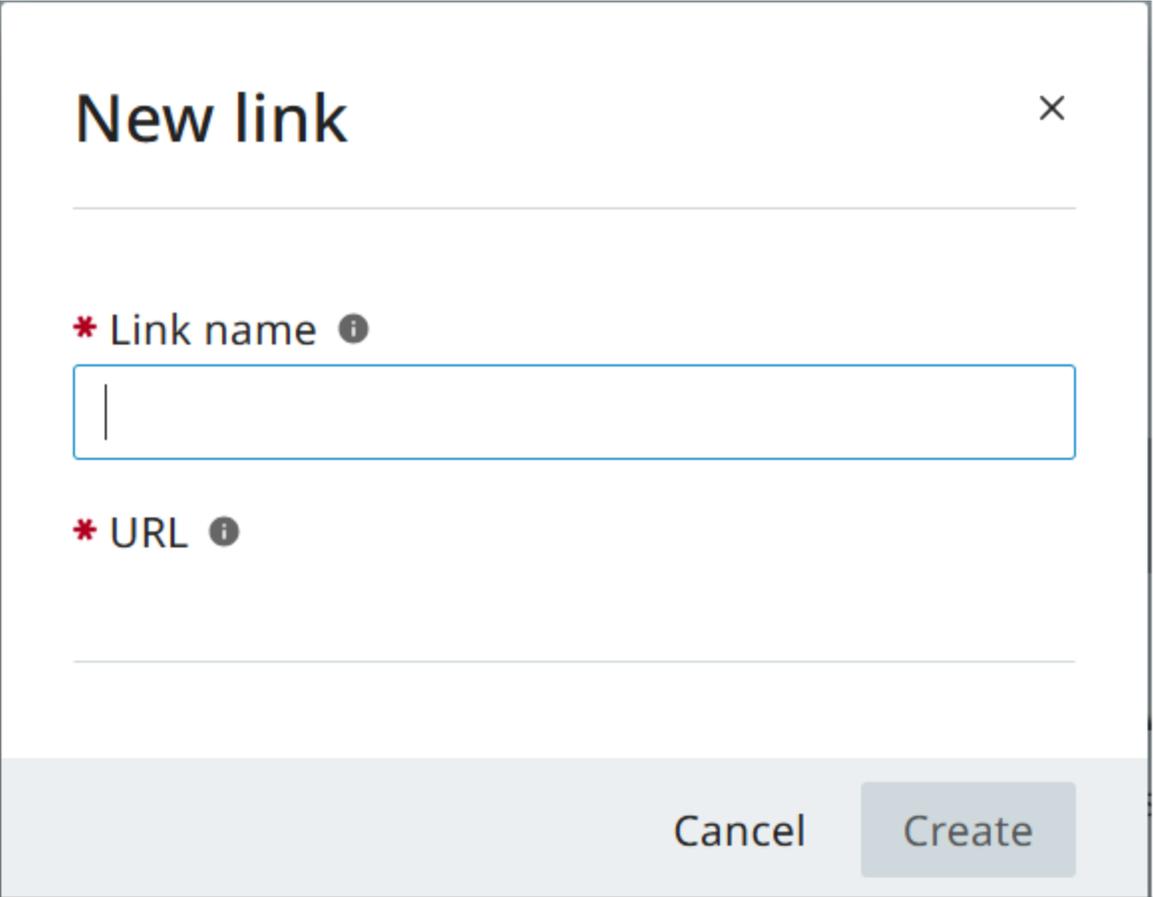
1. Click the 'General Settings' tab.
2. Select the 'Quick links' option from the navigation menu on the left side of the configuration tool.
3. Click the 'Add' button in the upper right-hand corner of the screen.



Or, if no other links are configured, click the blue '+ Add new link' button.'



4. A window displays with two fields: 'Link name' and 'URL.'



New link ×

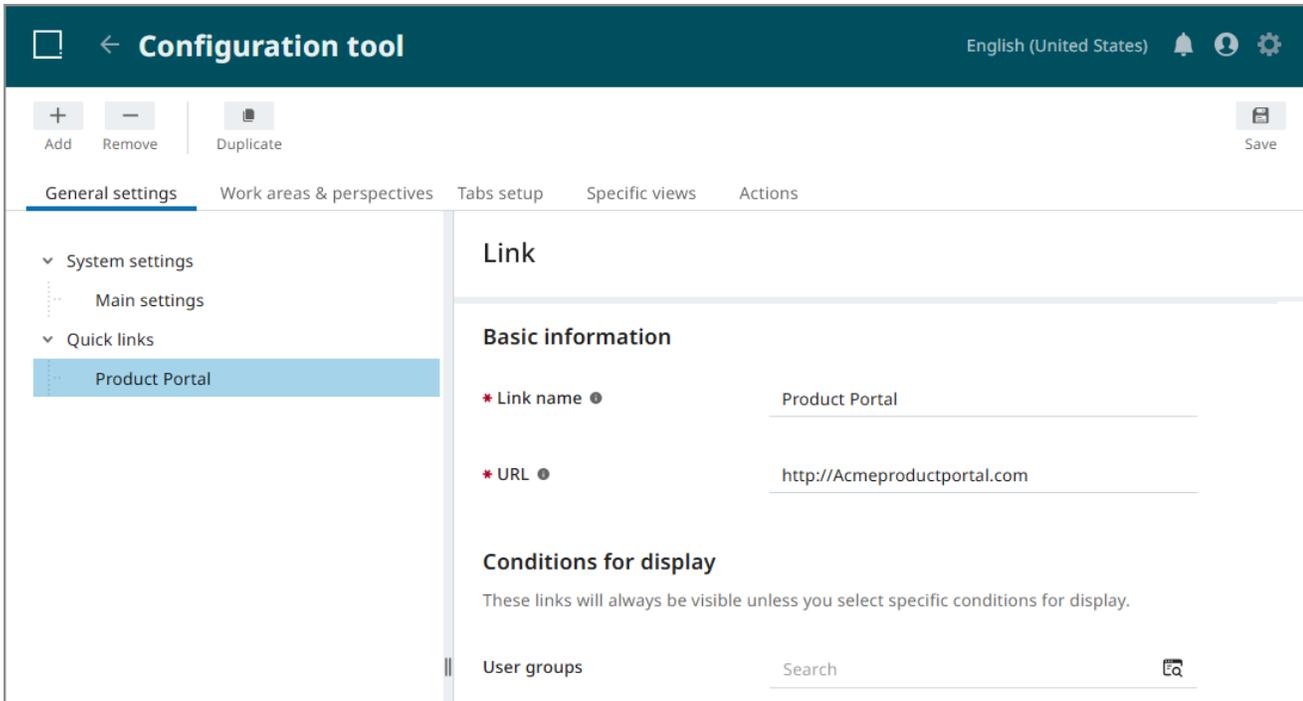
* Link name ⓘ

* URL ⓘ

Cancel Create

- For 'Link name,' add the name of the website or system to which the URL will direct the user. The text added will display in the quick links dropdown.
- For 'URL,' add the URL for the desired website or system.

The configured link's settings now display in the right-hand side of the configuration tool.



Configuring the Link Settings

The Link configuration page has two sections that allow for additional configuration to finalize the quick link.

Basic Information

In this section, the configured link name and URL display. These values can be edited as needed from the values provided when the link was first created.

Conditions for Display

In this section, there is the 'User groups' field. If you want to restrict which user groups are able to access this specific quick link, you can do so by configuring this picker.

1. Open the item picker by either a) clicking on the icon inside the field, or b) clicking inside the field and then clicking the 'Open item picker' button.



For more information on the item picker, refer to the Item Picker topic.

2. Inside the item picker, select all user groups that should have access to the link when working in Instrument.

If no restrictions should be placed on who can access the configured quick link, leave this field blank.

For more information on context and quick links, refer to the Utilities topic.

Configuration Tool: Creating Perspectives and Work Areas

Admin users can configure and manage preset work areas and perspectives in the Configuration tool. The tool can also be used to assign preset work areas and perspectives to user groups specific to tasks and roles.

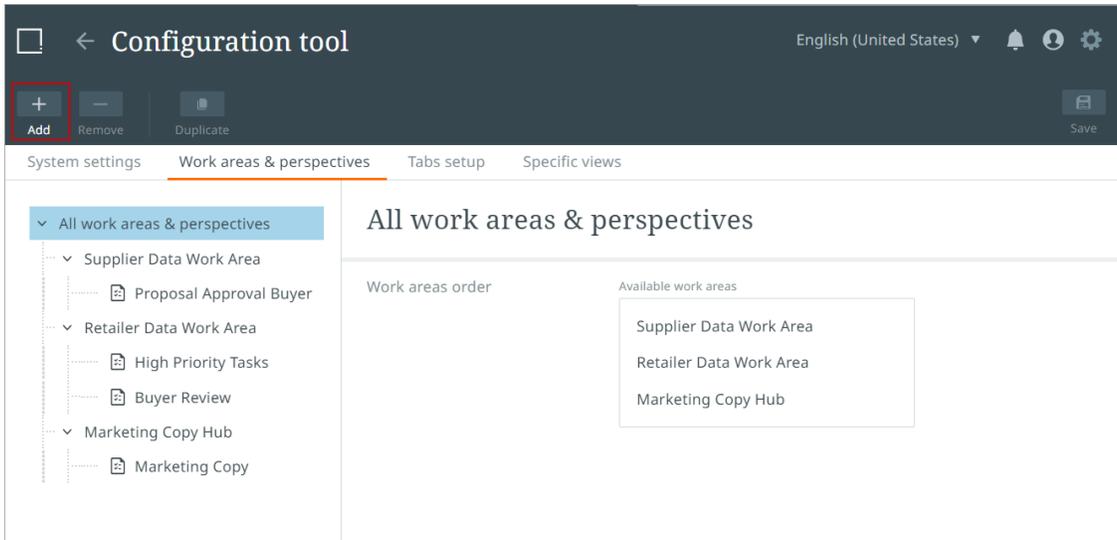
Preset work area and perspective configurations set by admin users become the default settings for assigned user groups. Preset columns and filters display to users as they have been set up by admins. Admin-defined filters cannot be removed by users once set. If a user attempts to delete a preset work area or perspective, a tooltip message displays stating, 'You cannot overwrite admin configurations.' However, users can still manipulate and maintain zoom levels, column width, as well as add and maintain new filters in preset perspectives. Upon saving these changes, the 'Reset perspective' feature is enabled which allows users to revert to default perspective settings defined by admins.

Preset work areas can be duplicated and further customized by users in the duplication. Custom work areas, identified by a 'Custom' visual marker next to the work area name, are configured by the user and are customized based on user preferences and privileges.

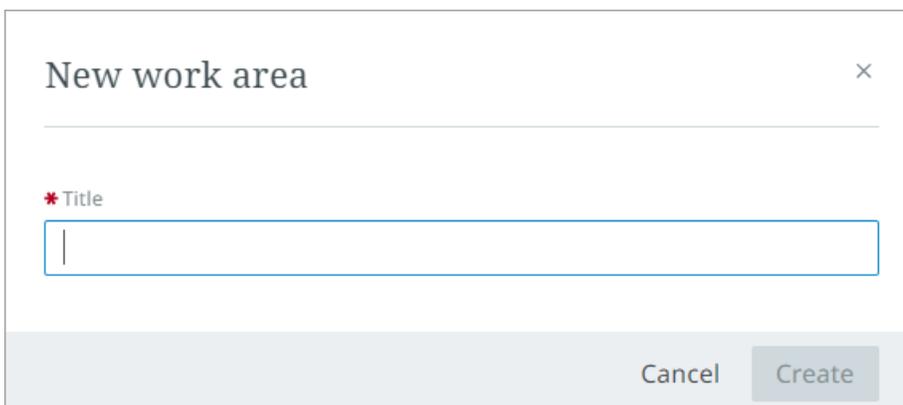
Creating and Maintaining Work Areas

The Configuration tool allows admin users to create and maintain work areas.

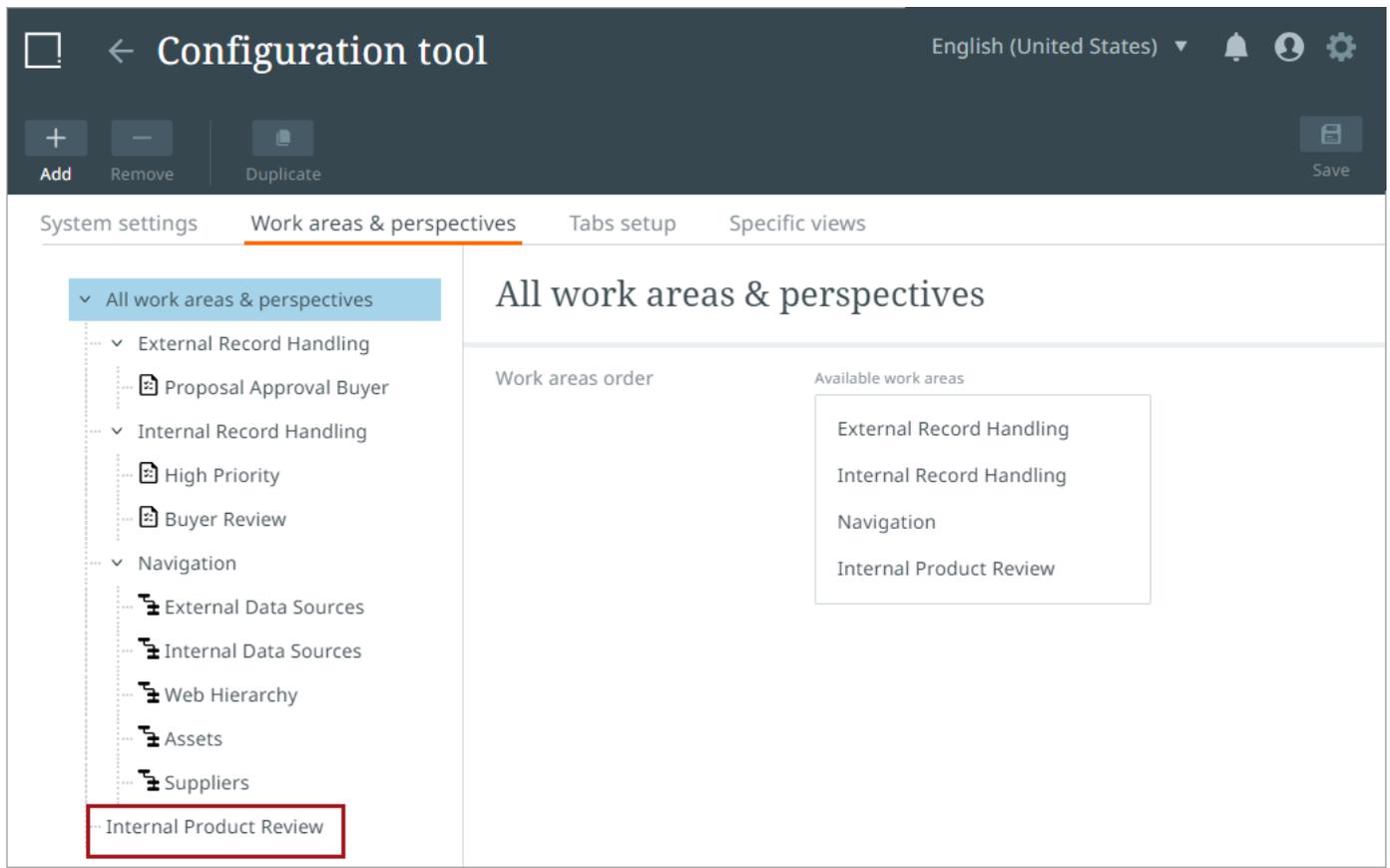
1. To create a new work area, click the 'Work areas & perspectives' tab on the Configuration tool homepage.
2. Click the '+' in the top-left corner of the page. A dropdown menu displays.



3. Select 'New work area.' A 'New work area' dialog will display. Mandatory fields will be marked with an asterisk '*'. Users cannot create a work area without completing the mandatory fields.



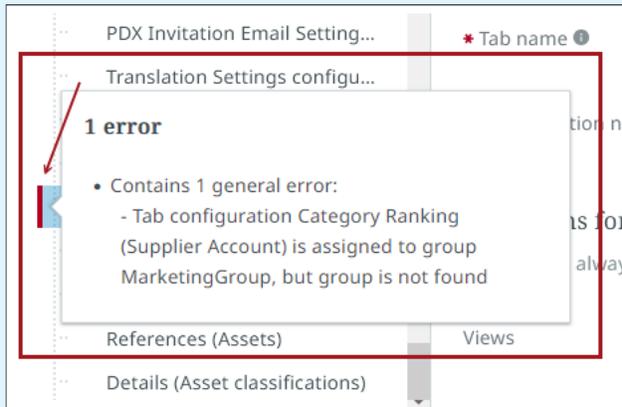
4. Create a title for the work area.
5. Click 'Create' to create the new work area. The new work area will display in the navigation menu on the left of the page.



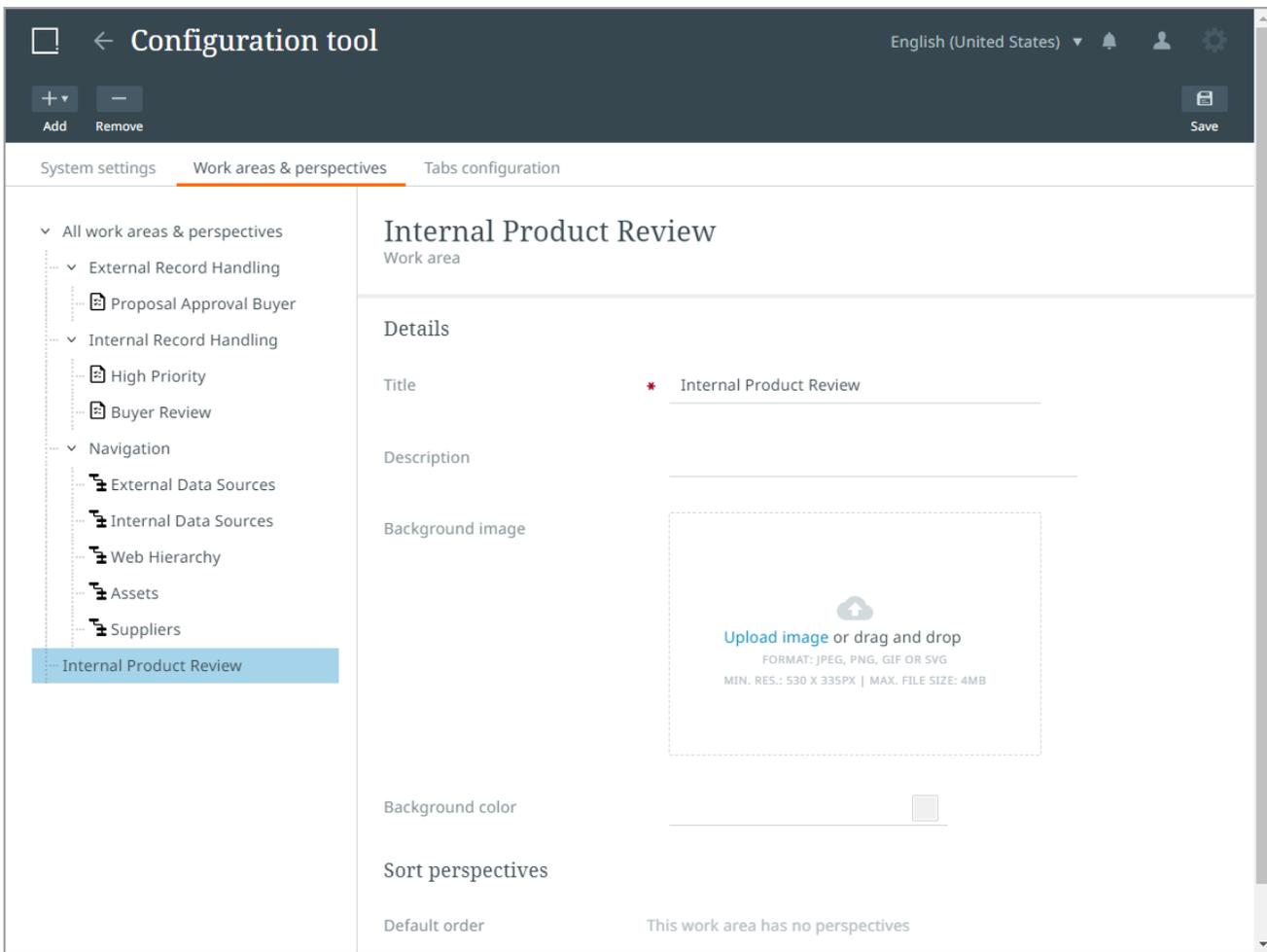
To open the new work area, select it from the left navigation panel. When it is open, the user can further customize the work area by adding a description, background image, and background color.

To save changes, click the 'Save' icon in the upper right corner of the page.

Note: If a work area, perspective, view, or tab is misconfigured, a red-line error indicator will display to the left of the affected configuration element. Hovering the cursor over the red line prompts an informational pop-up to display. The pop-up describes the issue causing the configured element to be misconfigured, (as shown in the screenshot below), giving the user the information needed to make the appropriate change.



Until the configuration is corrected, the 'Save' and 'Duplicate' buttons will be inoperative.



Duplicating a Work Area

To duplicate a **work area**:

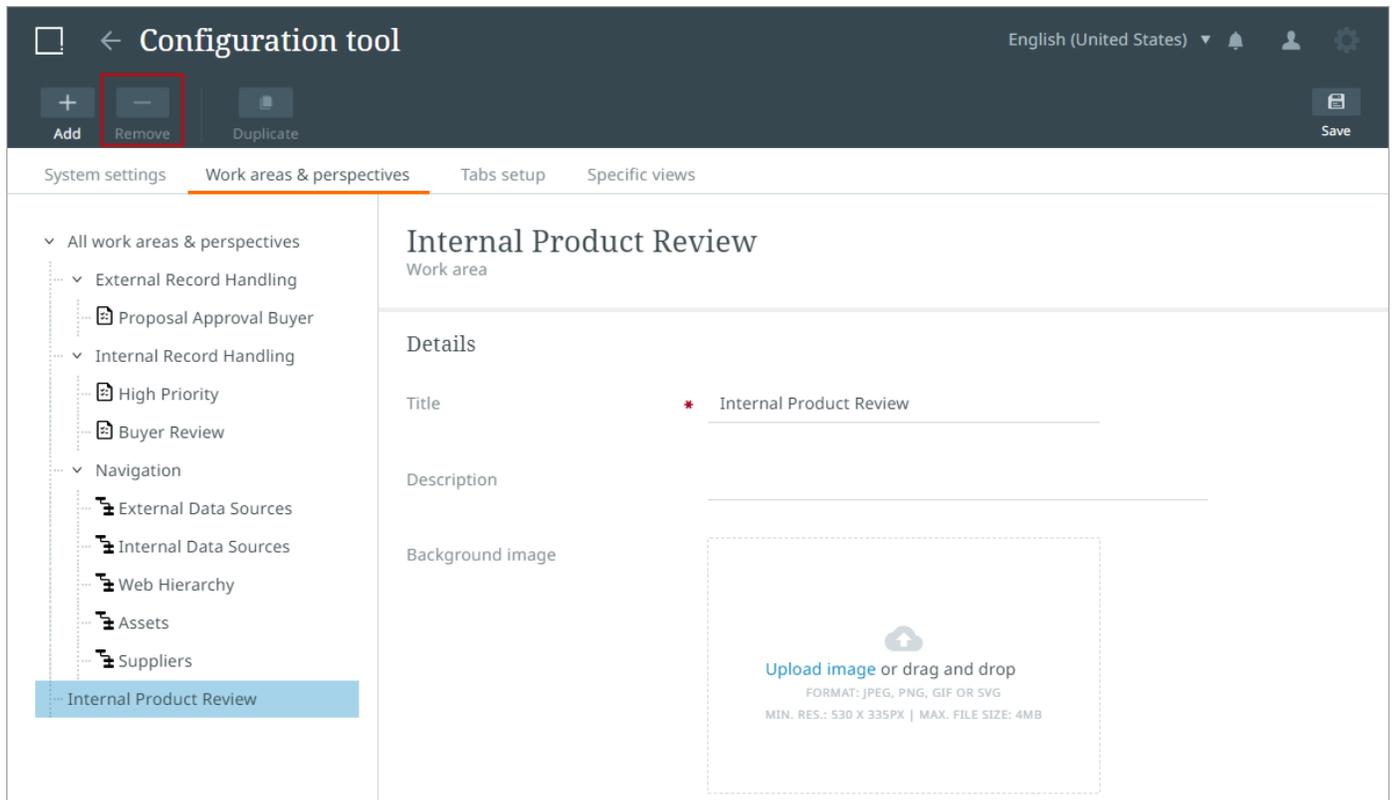
1. Select a work area configuration in the tree on the left by clicking it.
2. Click the 'Duplicate' button in the Tool bar.

The new duplicated configuration will be placed at the bottom of the tree. The newly duplicated configuration will have the same title of the original configuration with a '(1)' added at the end of the title of the duplicated configuration.

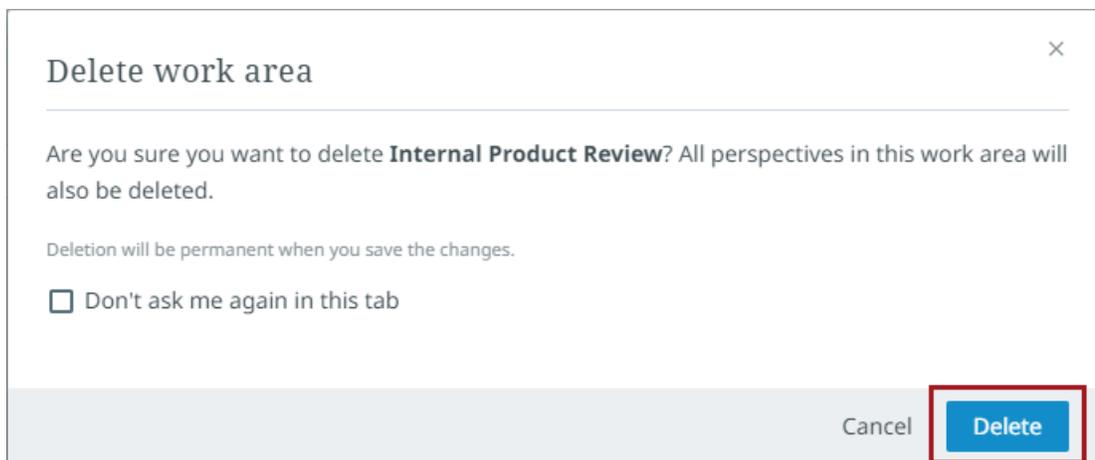
Removing a Work Area

Users can remove work areas using the Configuration tool.

1. To remove a work area, select the work area in the left navigation panel.
2. Next, click the 'Remove' button in the tool bar at the top right of the page.



3. A dialog will display to confirm if the user wants to delete the work area. The dialog has an optional selection box that states 'Don't ask me again in this tab.' When checked, the 'Delete tab' warning dialog will not display again, and the remove button will immediately delete the selected tab when the '-' button is selected.

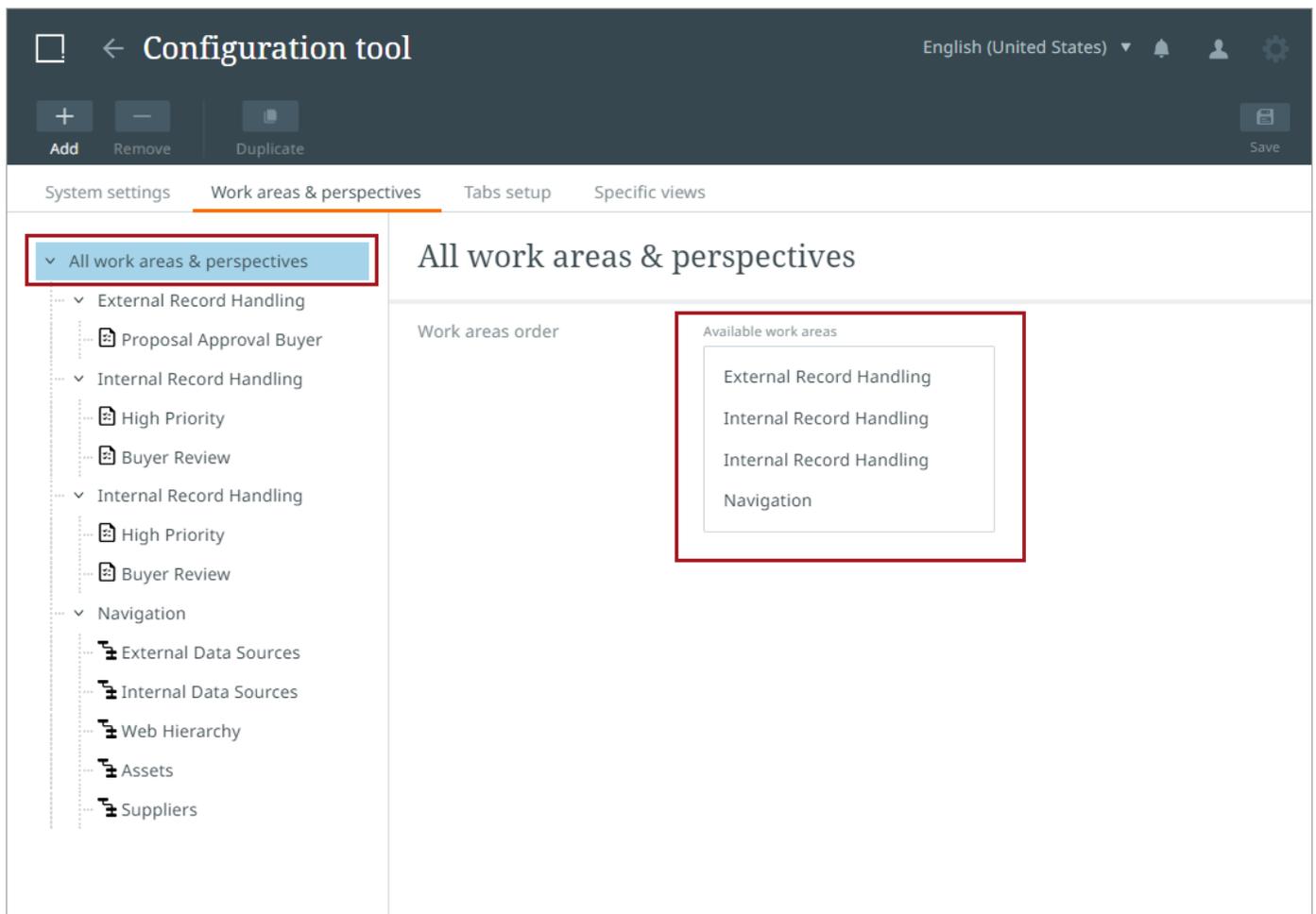


4. Select 'Delete' and then click 'Save' to finalize deletion of the work area.

Sequencing Work Areas

Users can sequence or order work areas in the Configuration tool.

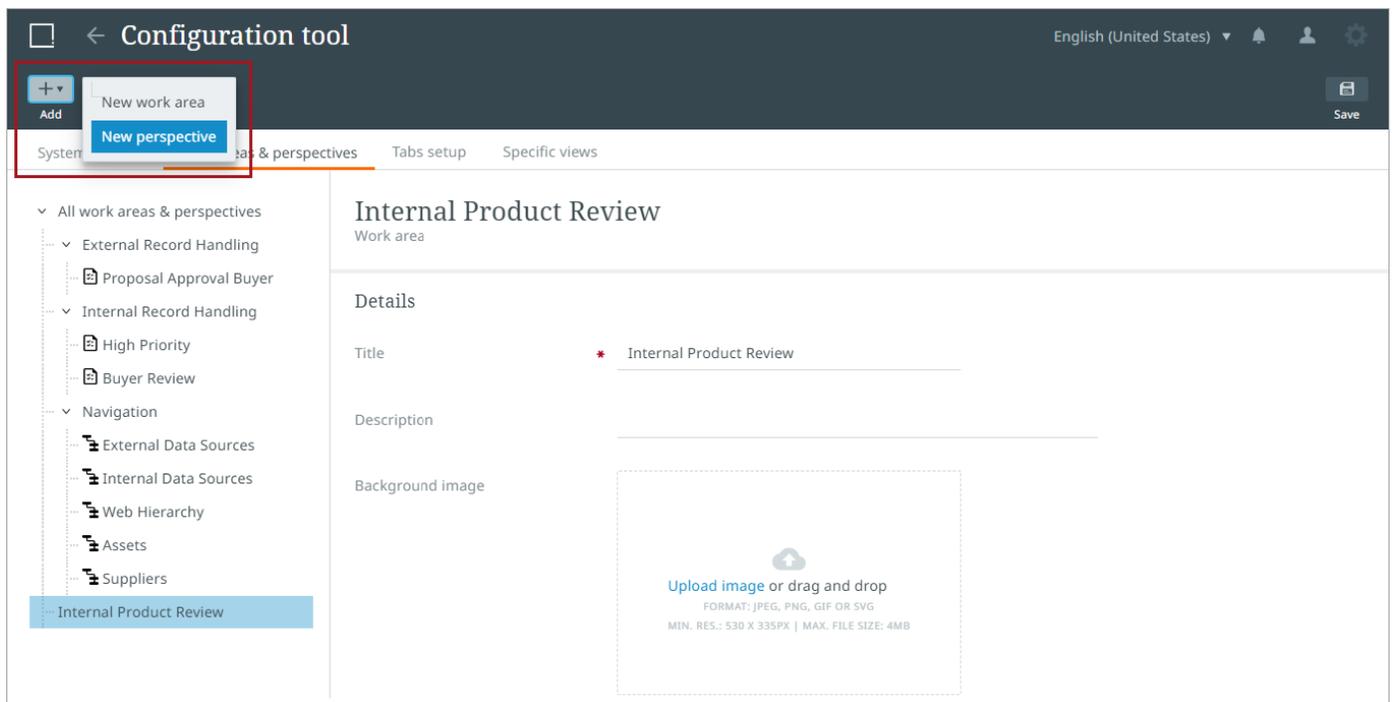
1. To sequence a work area, select the 'All work areas & perspectives' root node in the Tree to the left.
2. Then inside of the 'Available work areas' box, select a work area to move by clicking it, and drag and drop the work areas in the desired order.



Creating and Maintaining Tasks Perspectives

Users can also create and maintain Tasks perspectives in the Configuration tool.

1. To create a new Tasks perspective, click the '+' sign in the upper right corner of the page. A dropdown menu will display. Select 'New perspective.'



2. A 'New Perspective' dialog will display. Mandatory fields in the dialog will be marked with a red asterisk '*'. Users cannot create a perspective without completing the mandatory fields.

Name the Tasks perspective and select a workflow. If the Tasks perspective is designed for users who will only need to view a single workflow state, also select a workflow state. If the perspective is designed for a user that needs to view all states in the workflow, leave the 'Workflow state' field blank.

When all fields are complete the 'Create' button will become active.

New perspective ×

You are creating a new perspective on **Internal Product Review** work area. It will be available to all user groups with access to this work area.

* Perspective type

Task perspective
 Browse perspective

* Perspective name

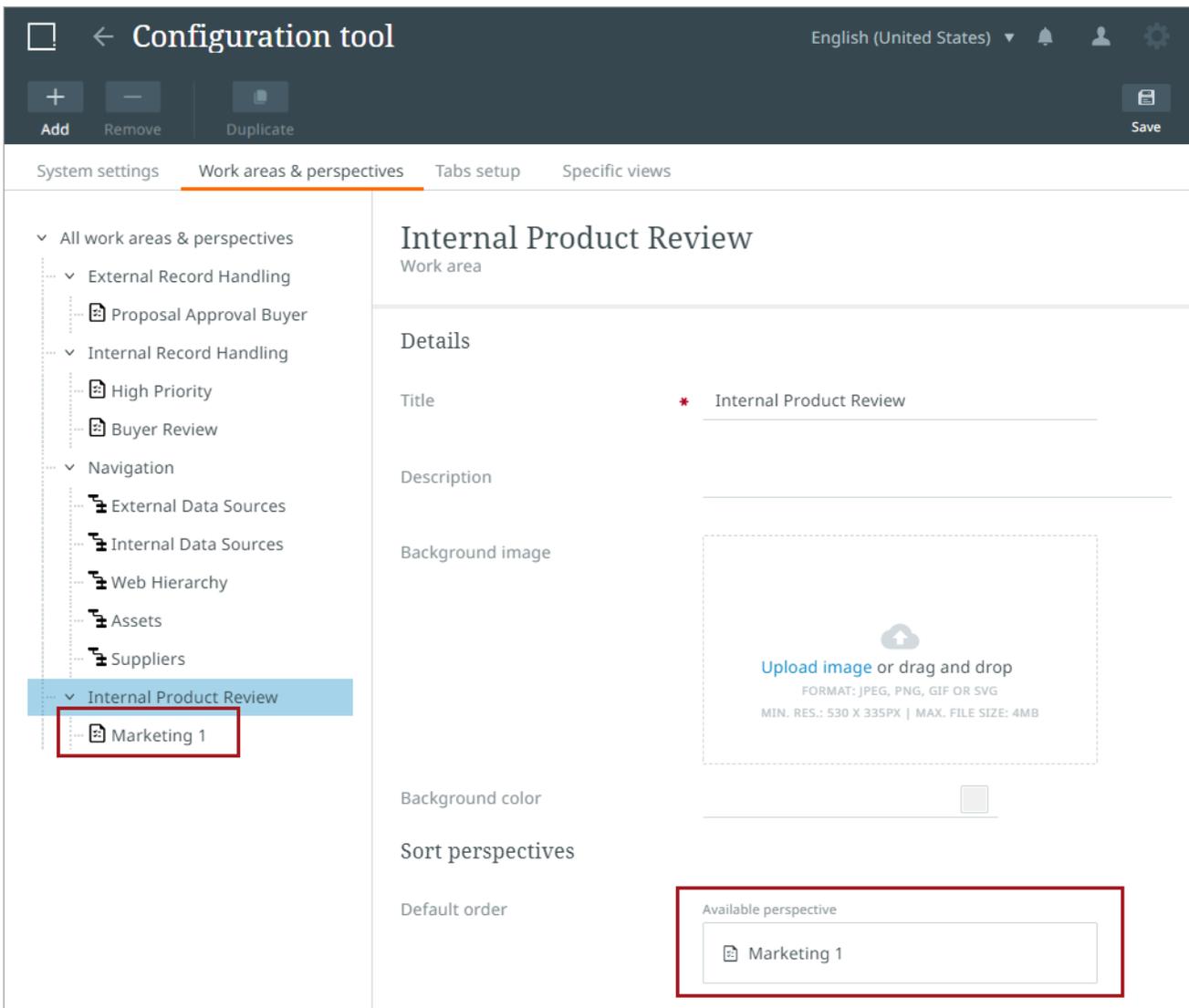
* Workflow

Workflow state

Cancel Create

3. Click 'Create' to create the new perspective. Next, click 'Save' to save the new Tasks perspective.

The new perspective will display beneath the work area in the navigation tree menu on the left side of the page as well as under the 'Sort Perspectives' option on the work area editor screen.



After the perspective has been created, the user can customize default table columns, change the name of the perspective, and select filters. Users can select one or more user groups to assign to the perspective. Only those users that belong to the selected user group(s) will be able to view the perspectives within the work area. When no user group is selected, the perspective will be available to all user groups. The surrounding work area will be available to the users if they have access to the corresponding perspective.

Preset task perspective

Task perspective

Basic information

Type	Task perspective
Perspective name	* <input type="text" value="Preset task perspective"/>

Conditions for display

This perspective will always be visible unless you select specific conditions for display.

User groups	<input type="text" value="Search"/> 
-------------	---

Table settings

Columns	<input type="text" value="Search"/> 
	<input type="text" value="Name x"/> <input type="text" value="Workflow x"/> <input type="text" value="Workflow state x"/> <input type="text" value="Task deadline x"/> <input type="text" value="Task assignee x"/>

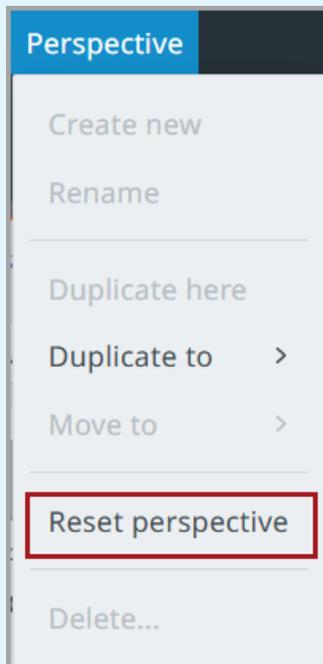
Filter

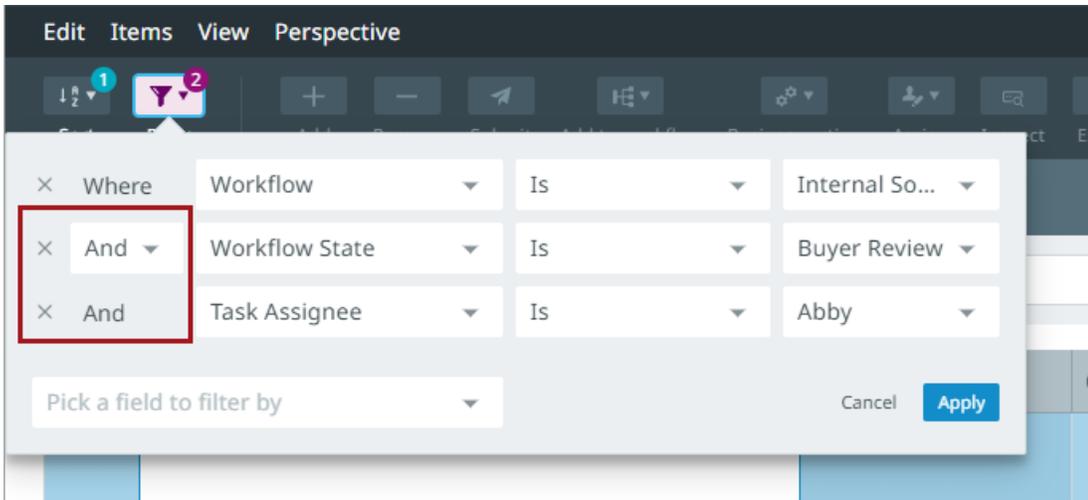
Workflow	* <input type="text"/>
Workflow state	<input type="text"/>
Task status flag	<input type="text"/>
Task assignee	<input type="text"/>

Filter options will filter the data that displays in the table for Tasks perspectives. Available filters include: Workflow, Workflow State, Workflow Status flag, and Workflow assignee. As filters are selected, the Configuration tool includes an implicit 'AND' between the filters, resulting in a cumulative filter search.

The image below shows how the filters display in the Work area after they have been saved in the Configuration tool.

Note: Admin-defined filters cannot be deleted or overwritten by users once set. A tooltip message displays stating, 'You cannot overwrite admin configurations.' However, other filters can be added to the preset filters by users. Users can reset their preset settings at any time by selecting 'Perspective' and then 'Reset perspective.'





To duplicate a **perspective**: Select a perspective configuration in the tree on the left by clicking it.

Duplicating a Perspective

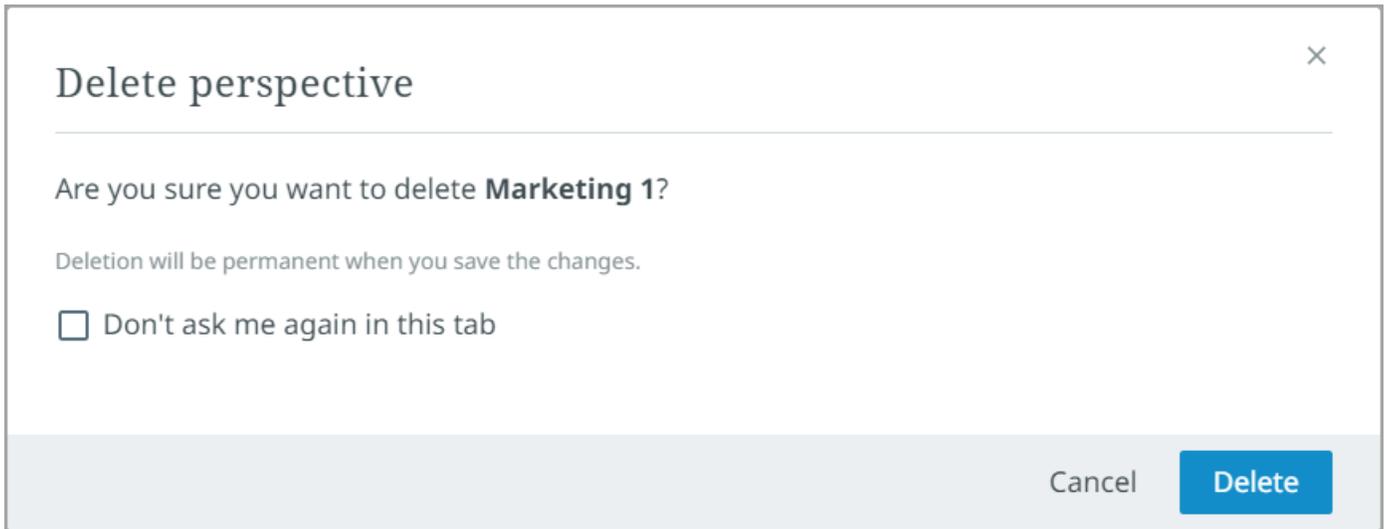
1. Click the 'Duplicate' button in the Tool bar. A dropdown option displays two options:
 - Duplicate here: Choose this option to duplicate a perspective to the current work area
 - Duplicate to: Choose this option to select a different work area for the perspective duplicate

Removing a Perspective

Users can remove a perspective using the Configuration tool.

1. To remove a perspective, click the perspective in the left navigation panel.
2. Click 'Remove' in the toolbar in the upper left corner of the page.
3. A dialog will display to confirm if the user wants to delete the perspective. The dialog has an optional selection box that states, 'Don't ask me again in this tab.' When checked, the 'Delete tab' warning dialog will not display

again, and the remove button will immediately delete the selected tab when the '-' button is selected.



4. Click 'Delete' and then click 'Save' to finalize deletion of the perspective.

Sequencing Tasks Perspectives

Users can sequence or order Tasks perspectives using the Configuration Tool.

1. Select the 'owning' work area in the tree on the left side of the page.
2. Perspectives will be listed beneath the 'Sort Perspectives' section at the bottom of the page inside the 'Available perspective' box. Click a perspective to drag and drop the perspective to the desired order.

Configuration tool

English (United States)

Add Remove Duplicate Save

System settings Work areas & perspectives Tabs setup Specific views

All work areas & perspectives

- External Record Handling
 - Proposal Approval Buyer
- Internal Record Handling
 - High Priority
 - Buyer Review
- Internal Record Handling
 - High Priority
 - Buyer Review
- Navigation
- External Data Sources
- Internal Data Sources
- Web Hierarchy
- Assets
- Suppliers

Navigation

Work area

Details

Title * Navigation

Description Easy access to Products, Assets and Web classifications

Background image



low-res_landscape_street night-sans
Size: 456 kb | Resolution: 1920 x 1280px [Remove image](#)

Background color #263238

User groups * Search

Buyer Group

Sort perspectives

Default order

Available perspective

- External Data Sources
- Internal Data Sources
- Web Hierarchy
- Assets
- Suppliers

Creating a Browse Perspective

Admin users can configure and manage preset Browse perspectives in the Configuration tool. Preset Browse perspectives cannot be changed by end users without admin privileges. Only admin users can alter table configurations using the Configuration tool within preset Browse perspectives. Customize view for preset Browse perspectives is disabled for admin and end users.

Preset work area and perspective configurations set by admin users become the default settings for assigned user groups. Preset columns and filters display to users as they have been set up by admins. Admin-defined filters cannot be removed by users once set. If a user attempts to delete a preset work area or perspective, a tooltip message displays stating, 'You cannot overwrite admin configurations.' However, users can still manipulate and maintain zoom levels, column width, as well as add and maintain new filters in preset perspectives. Upon saving these changes, the 'Reset perspective' feature is enabled which allows users to revert to default perspective settings defined by admins.

Preset work areas can be duplicated and further customized by users in the duplication. Custom work areas, identified by a 'Custom' visual marker next to the work area name, are configured by the user and are customized based on user preferences and privileges.

After a work area has been created for selected user groups, admin users may create Browse perspectives.

1. To create a Browse perspective, click the '+' sign in the upper right corner of the page. A dropdown menu will display. Select 'New perspective.'
2. Mandatory fields in the dialog will be marked with a red asterisk '*'. Users cannot create a perspective without completing the mandatory fields.

New perspective ×

You are creating a new perspective on **Acme Internal** work area. It will be available to all user groups with access to this work area.

*Perspective type

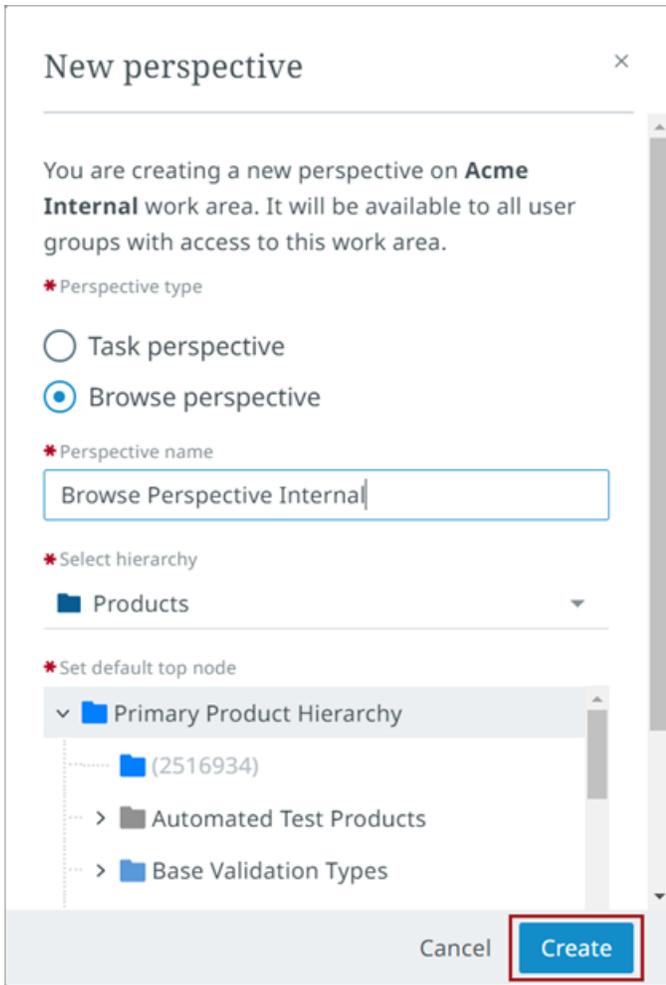
Task perspective

Browse perspective

Cancel

Name the Browse perspective, then select a hierarchy and a top node. For the hierarchy, you can choose Products, Classifications, or Collections.

When all fields are complete the 'Create' button will become active.



3. Click 'Create' to create the new perspective. Next, click 'Save' to save the new Browse perspective.

The new perspective will display beneath the work area in the navigation tree menu on the left side of the page.



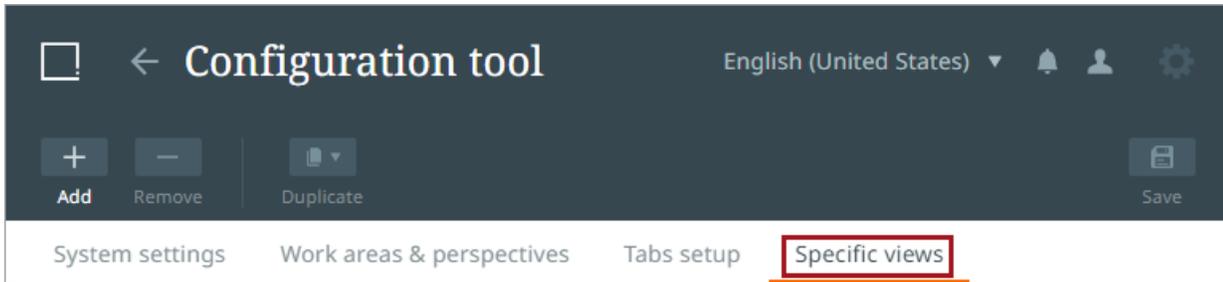
Note: Beneath the hierarchy box, there is a shortcut from the perspective configuration to the browse table. Click 'Go to Browse tables' to go directly to the browse table

Creating a Browse Table Configuration in Specific Views

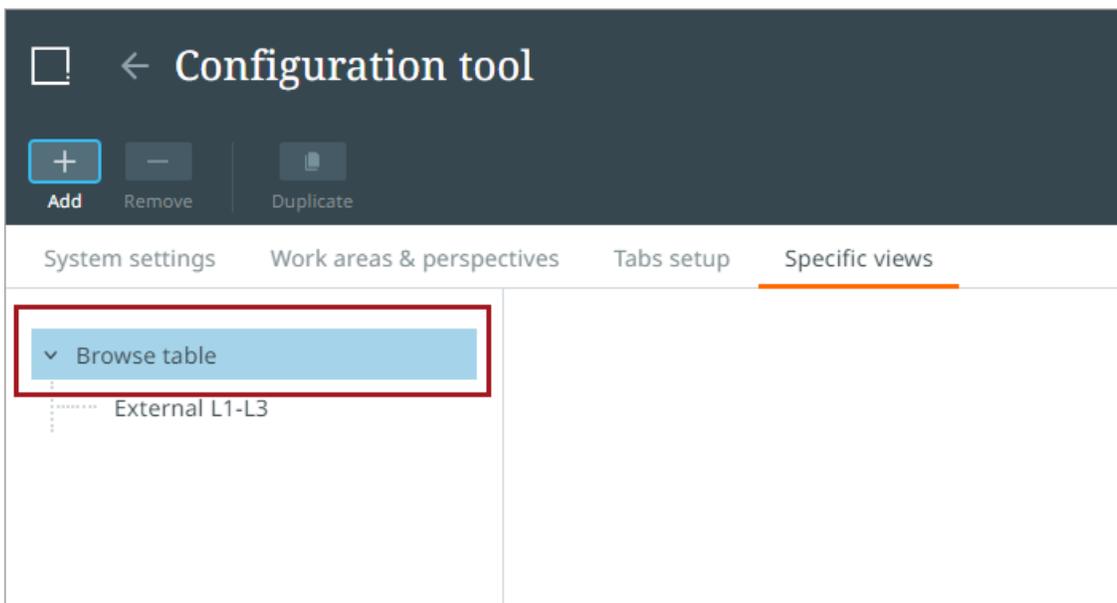
Browse table configurations for end users can be maintained by admins in the Configuration tool under the Specific views tab. These tables are displayed when an end user selects a item in the Browse perspective tree. The browse table configurations are object type specific. One browse table configuration can be assigned to one

or more object types. An object type can only be assigned to one browse table configuration.

1. To create a new browse table configuration, select the Specific Views tab.



2. Select the 'Browse table' root item in the tree.



Click the '+' in the upper right corner of the page. A 'New Browse Table' dialog will display. Name the configuration and select one or more object types.



New browse table

* Configuration name

* Object types

Search

Cancel Create

3. Click 'Create' to create the new browse table configuration. Five default columns will display in the 'Table settings' section: ID, name, object type, completeness, and primary image. Admin users can customize which columns display as well as add attributes, attribute groups, and reference types using the search field or Item Picker. Using the Item Picker, admins can select the column sequence by dragging and dropping the order of the columns in the 'Selected Columns' section.

Configuring Target Language Translation Status

The option for administrators to add target language translation statuses for Browse and Tasks perspectives can be found in the Configuration tool. For Browse and Tasks perspectives in custom work areas, users can add or remove target language translation statuses using the Customize option in the toolbar.

Translation status options are populated based on the language dimension points that have been configured in STEP. You should be familiar with the following STEP concepts:

- The Dimensions, Dimension Points, and Contexts section of the System Setup documentation will explain how to set up your language dimension points.
- The Translations section will provide an overview of how translations work in STEP.

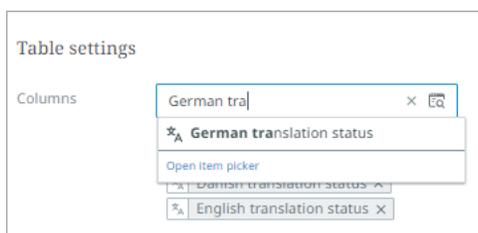
Administrators

Enter the Configuration tool by clicking the gear icon found to the far right in the utilities section of the toolbar.

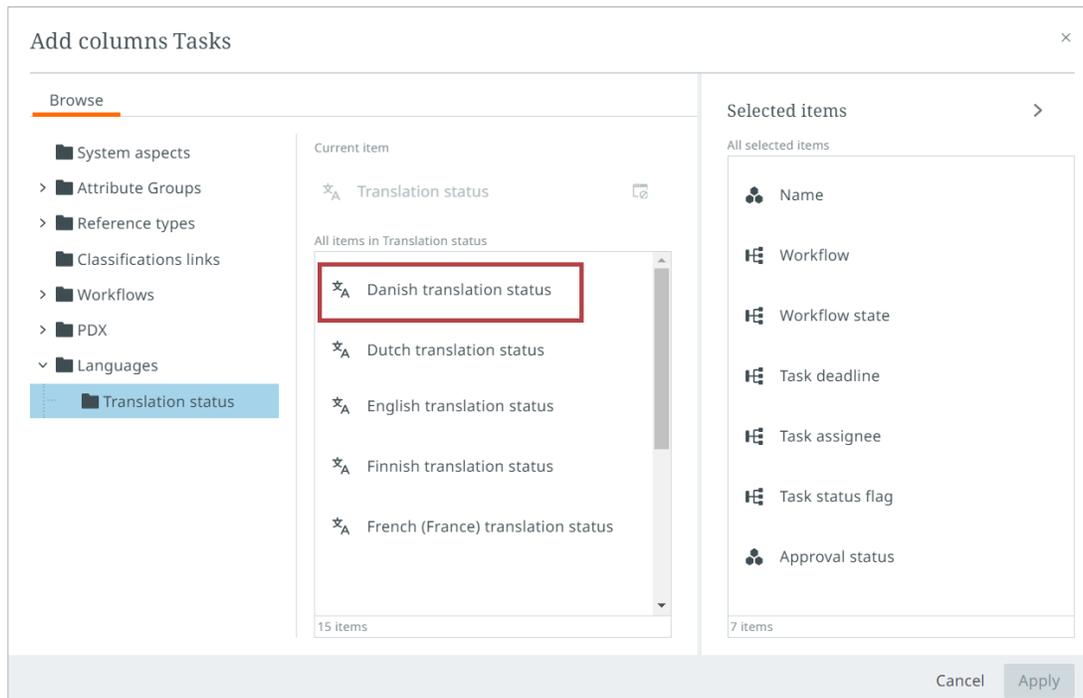
Work Areas and Perspectives Tab

To add the languages column to a preset work area using the Work areas and perspectives tab:

1. Select the Work areas and perspectives tab. Navigate to the desired Tasks perspective.
2. Navigate to the 'Table settings' heading. In the columns section, there are two ways to access the 'Languages' option:
 - Use the typeahead search to select the desired language(s).



- Use the item picker and select Languages > Translation status. Select the desired language(s).



- Apply and then save all of your changes by clicking the Save button in the header area of the screen.

Specific Views Tab

To add the languages column to a preset Browse perspective as an admin using the Specific views tab:

- Select the Specific views tab. Navigate to the desired browse table.

Follow steps 2 and 3 from the [Work areas and perspectives tab](#) instructions above to navigate the item picker and typeahead options.

Once changes have been saved, tables in the applicable Tasks and Browse perspectives will display the target language translation status column(s) with the corresponding translation status for each product displayed:

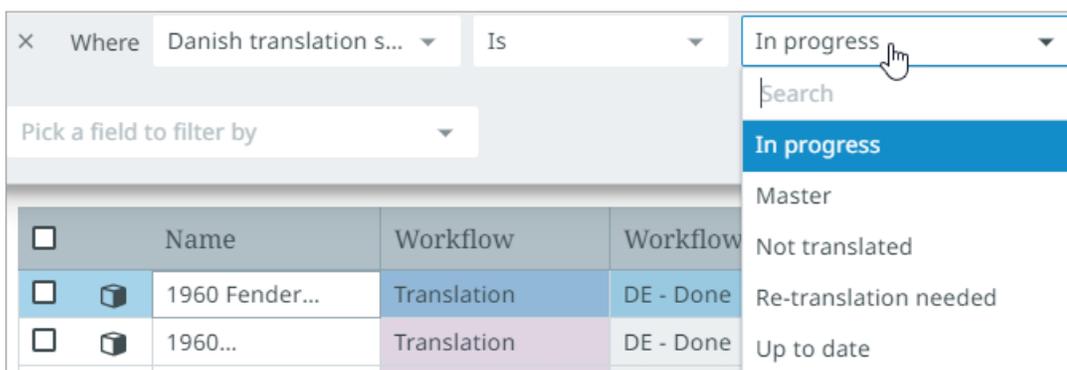
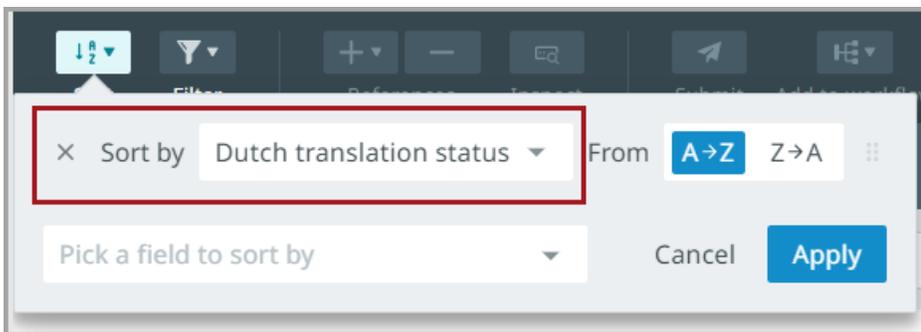
<input type="checkbox"/>	Name	Workflow	Approval status	German translation status	Danish translation status
<input type="checkbox"/>	1960 Fender Telecaster, Exceedingly Rare...	Translation	Partially approved	Not translated	Not translated
<input type="checkbox"/>	1960 Rickenbacker 365 Capri	Translation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

Translation Status

The translation status column displays the following statuses:

- **In progress:** Content to be translated has been exported, but translated content received from the translator vendor has not been imported yet.
- **Master.** This is the first language used as the source language.
- **Not Translated:** Object has never been translated.
- **Re-translation needed:** Translated content in the source language has changed since last translation.
- **Up to date:** Translated content in the source language has not been changed since last translation.

You can sort and filter the target language column:



To remove a target language column, users in custom work areas can select the 'Customize' option and remove selected languages by selecting the 'X' next to the language to be removed.

Selected items >

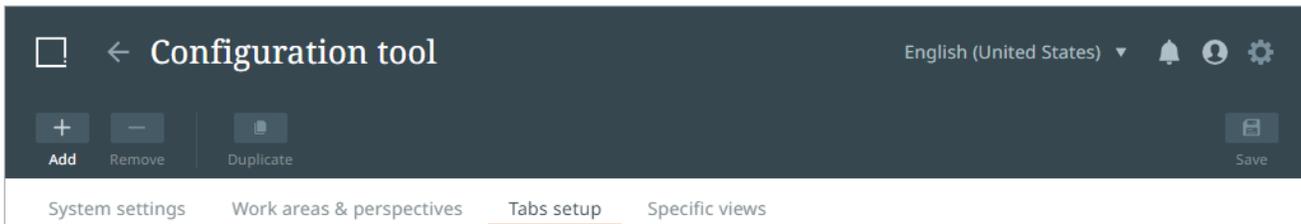
All selected items

-  Name
-  Workflow
-  Workflow state
-  Task deadline
-  Task assignee
-  Danish translation status
-  German translation status
-  English translation status  

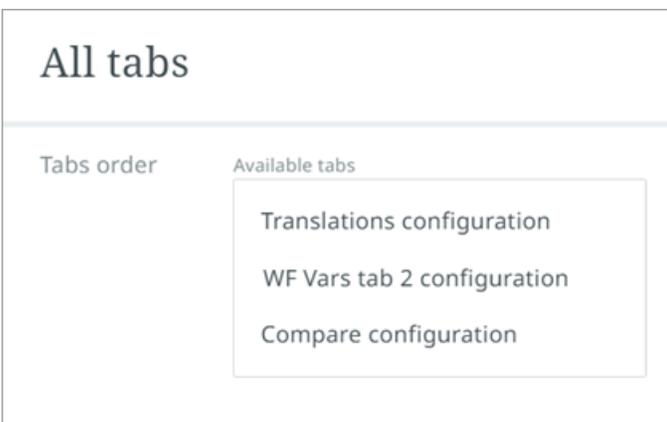
8 items

Configuration Tool Tabs Setup

The Configuration tool's 'Tabs setup' functionality allows admin users to configure preset tabs for the details view. To access the 'Tabs setup' page, click on the Configuration tool icon in the upper-right hand corner of the screen. From the configuration tool home page, click on the 'Tabs setup' option.



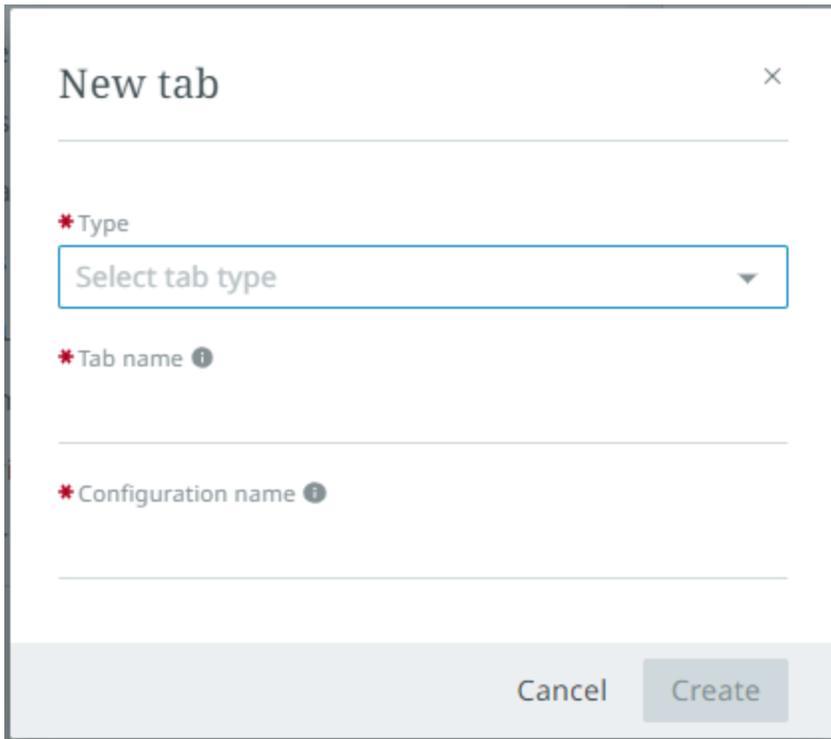
The 'Tabs setup' page will display all created tabs. Configured tabs will be listed on the left side of the page. Select a tab to view details.



Adding a Tab

To add a tab:

1. Click the '+' button in the toolbar. The 'New tab' dialog will display.



2. Select the type of tab to create: 'Attribute tab page,' 'Asset tab page,' 'Reference tab page,' 'Packaging tab page,' or 'Language tab page.'
3. Provide a name for the 'Tab name' field. A value will auto-populate for the 'Configuration name' field derived from the value provided for the 'Tab name' field. Users can revise this value as needed.



Note: The Configuration name is only displayed for admin users and only displays in the Configuration tool. End users cannot view the Configuration name.

4. Click 'Create' to create a tab. The new tab will display in the tree on the left side of the screen.

Configuring the Tab

The options available to configure a tab enable the Instrument UI admin to determine:

- when the tab displays
- for whom the tab displays
- the data the tab displays

To configure a tab, use the settings described below.

'Conditions for display' Parameters

The admin user can set conditions for tab display using the options found under the 'Conditions for display' section. Conditions for display can be combined and include: Views, User groups, Object type, Workflow, and Workflow State. These parameters are listed and described below.

Conditions for display

This tab will always be visible unless you select specific conditions for display.

Views	<input checked="" type="radio"/> Show in all views <input type="radio"/> Show in task perspectives only <input type="radio"/> Hide in task perspectives
User groups	<input type="text" value="Search"/>
Object type	<input type="text" value="Search"/>
Workflow	<input type="text" value="Search"/>
Workflow state	<input type="text" value="Search"/>

1. **Views.** The 'Views' parameter presents three radio buttons that, when set, determine which perspectives the tab will display in. This setting can help avoid cluttered interfaces by limiting the display of tabs to just those relevant to the user / user group.

Conditions for display

This tab will always be visible unless you select specific conditions for display.

Views

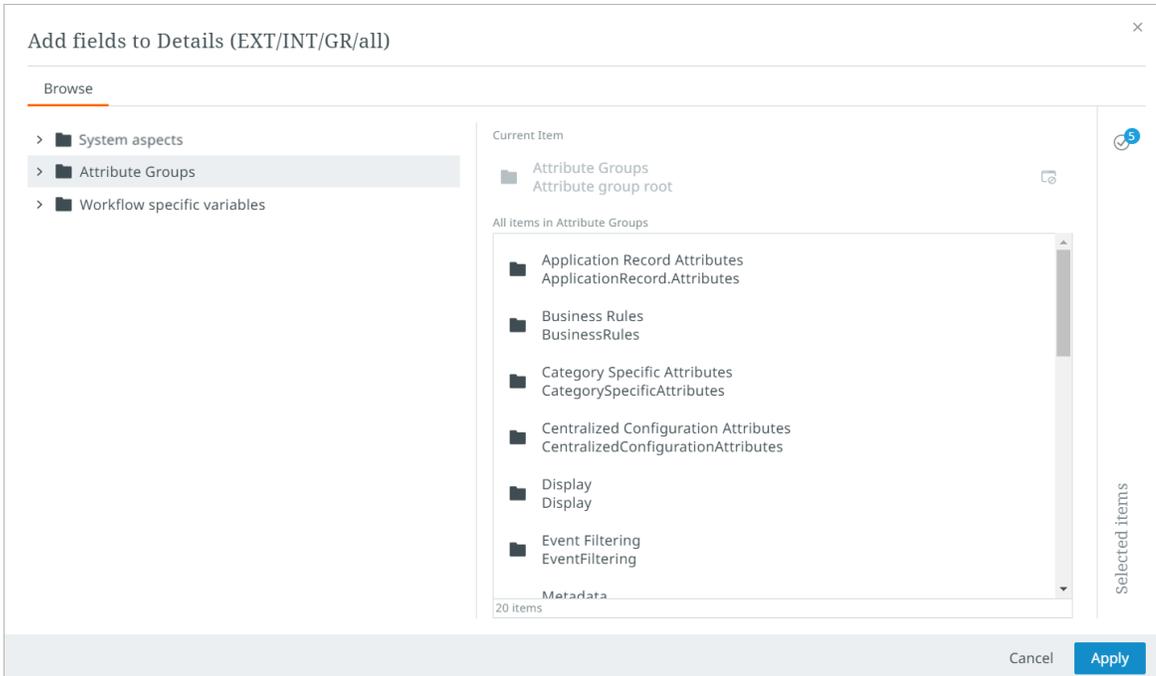
- Show in all views
- Show in task perspectives only
- Hide in task perspectives

- 'Show in all views' -- The tab will display in all perspectives: Browse, Tasks, Collections, as well as in the search screen
 - 'Show in task perspectives only' -- The tab will only display in Tasks perspectives
 - 'Hide in task perspectives' -- The tab will not display in any Tasks perspectives
2. **User groups.** Allows the admin user to select specific user groups to access the tab. When user groups are selected, the tab is only displayed for the specified groups. If no user groups are selected, all user groups will have access to the tab. Normal privilege rules (maintained in the workbench) are still respected.
 3. **Object type.** Select one or more object types in this parameter to trigger display of the tab when one of the configured object types is being viewed.
 4. **Workflow.** By selecting a workflow, the tab will only display when objects in that workflow are being viewed.
 5. **Workflow state.** By selecting a specific workflow state, the tab will only display when an object in the specific workflow state is being viewed.

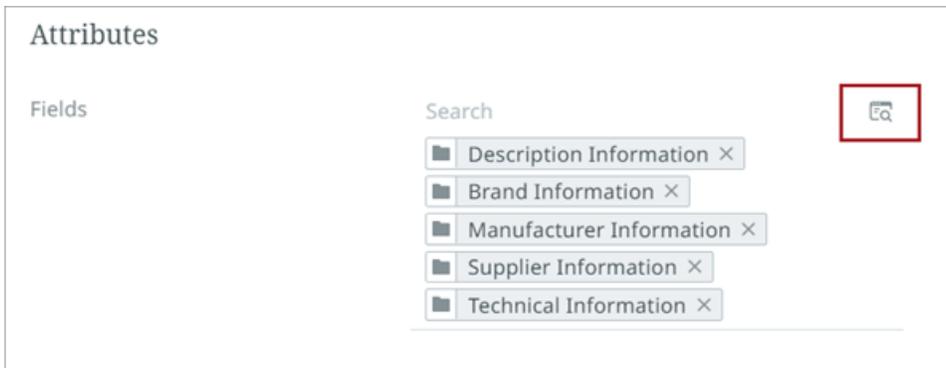
Setting Attributes for Display

The user can customize the new tab by selecting which attributes, attribute groups, and workflow variables display on the tab. If reference types are included in the selected attribute groups, those reference types can be selected and added for display on the attribute tab.

The 'Attribute groups' component allows admin users to select which attribute or reference fields should display in the tab. The search option utilizes a typeahead component with an option to open the Item Picker.



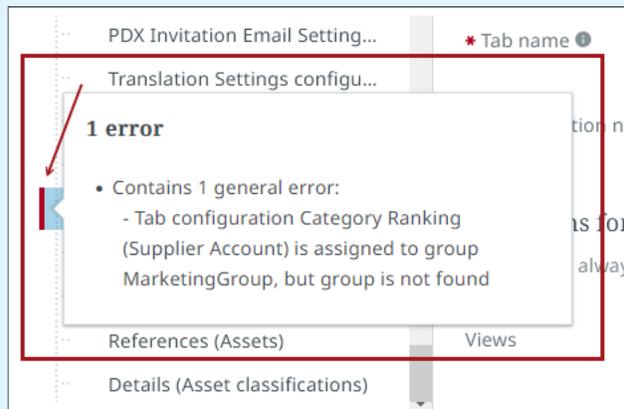
- To use typeahead, type the attribute name and select it.
- To use the Item Picker, select the Item Picker icon in the typeahead search bar.



The Item picker allows the administrator to select attributes, system aspects, workflow aspects, workflow variables, and Reference or Link types for a Tasks perspective table. Attributes, Attribute groups, and workflow variables are displayed in a dual list within the attribute tab's edit page.

When the tab is configured as desired, click 'Save' to keep all changes made to the tab configuration.

Note: If a work area, perspective, view, or tab is misconfigured, a red-line error indicator will display to the left of the affected configuration element. Hovering the cursor over the red line prompts an informational pop-up to display. The pop-up describes the issue causing the configured element to be misconfigured, (as shown in the screenshot below), giving the user the information needed to make the appropriate change.



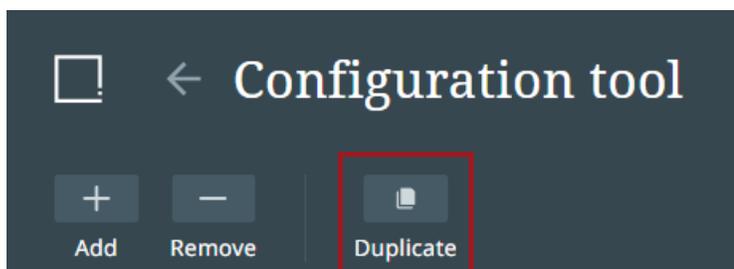
Until the configuration is corrected, the 'Save' and 'Duplicate' buttons will be inoperative.

Sequencing Tabs

Click 'All tabs' to view all existing tabs. Tabs can be reordered by clicking and dragging the order displayed in the 'Available tabs' display.

Duplicating a Tab

Admin users can duplicate a tab. The selected tab page configuration will be duplicated into the new duplicated configuration.



To duplicate a **tab**:

1. Select a tab page configuration in the tree on the left by clicking it.
2. Click 'Duplicate' in the toolbar and the tab will duplicate along with the configuration settings.
3. Click 'Save' to save changes.

Tab Type-Specific Configuration Options

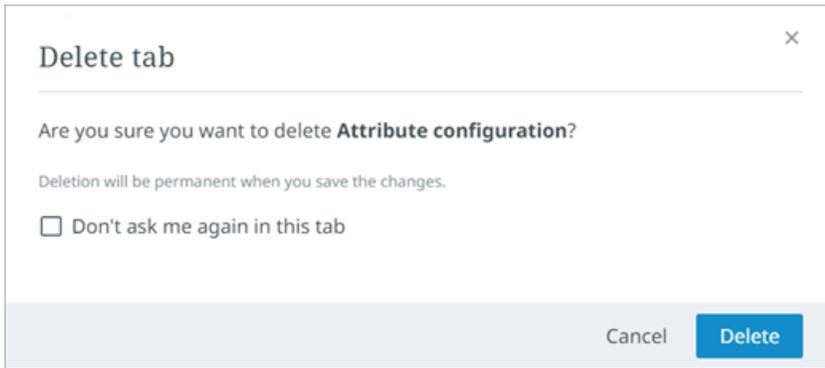
- **Attribute tab:** The Attribute tab displays attributes and workflow variables. Admin users can specify which attributes, attribute groups, and workflow variables should be used in the tab.
- **Asset tab:** The Asset tab displays asset values within the details view of the preset work areas and perspectives.
- **Reference tab:** The Reference tab displays a details pane that features a list of valid reference types in a References column and a tabular view of the references for the selected reference type.
- **Language tab:** The Language tab allows admin users to configure preset attributes that are language dependent. Admin users can specify which attribute groups should be used in the tab.
- **Packaging tab:** The Packaging tab displays any packaging hierarchies the currently selected object resides in.
- **Embedded Content tab:** The Embedded Content tab allows admin users to integrate external web content directly into the Details page. This feature is particularly useful for embedding dashboards, reports, or any external tools that enhance the user experience without navigating away from the page.

Removing a Tab

To remove a tab:

1. Click the tab in the tree on the left to select it.
2. Next, click the '-' button in the toolbar. The 'Delete Tab' dialog will display. Click delete to close the dialog. The dialog has an optional selection box that states 'Don't ask me again in this tab.' When this box is checked, the 'Delete tab' warning dialog will not display again, and the remove button will immediately delete the selected

tab when the '-' button is selected.



3. Click 'Save' to save changes made to the tab. Deletion of a tab will be permanent upon saving the changes.

For information on configuring a Compare tab to easily compare golden, external, and internal records for products, review the Configuring the Compare tab topic in the Central Configuration documentation.

Embedded Content Tab

The Embedded Content tab allows administrators to configure a URL template that retrieves and displays HTML content in an iframe directly within the Details page. Depending on the specified URL template, the tab can render a page from an external source or display dynamic data from STEP using internal servlets that serve HTML pages. Examples of STEP services that can render pages in the embedded tab include the HTML proof view of the current node via XSLT, and the HTML Function, which uses a business function to render HTML content in the tab through the HTML Function servlet.

Configuring Embedded Content tab

To configure the Embedded Content tab:

1. To add a tab in configuration tool, navigate to the configuration tool > Add a new tab of type Embedded Content > Provide a name and display conditions as needed.
2. In the Embedded content section, enter the URL template that should be rendered inside the tab.

The tab will remain empty until a valid URL is provided. The URL can include dynamic parameters such as Node ID, Context ID, Workspace ID, Locale, User ID, etc., to personalize the embedded view. Details about

the supported placeholders are provided below.

The screenshot shows the 'Configuration tool' interface. On the left is a sidebar with a list of tabs under 'All tabs', including 'References (Assets)', 'Details (Asset classifications)', 'All Valid Attributes configuration', 'To Do (INT - Buyer Review)', 'Level1ProductHierarchy configuration', 'Tab test configuration', 'test configuration', 'Data Containers configuration', 'Embedded ProofView PIOS configurat...', and 'Fetch Data configuration' (which is highlighted). The main area is titled 'Fetch Data configuration' and is described as an 'Embedded content tab page'. It contains several sections: 'Basic information' with fields for 'Type' (Embedded content tab page), 'Tab name' (Fetch Data), and 'Configuration name' (Fetch Data configuration); 'Conditions for display' with a note that the tab is always visible unless specific conditions are set, and radio buttons for 'Show in all views' (selected), 'Show in task perspectives only', and 'Hide in task perspectives'; 'User groups', 'Object type', 'Workflow', and 'Workflow state', each with a search field; and 'Embedded content' with a note that the tab will be displayed without content until a URL template is added, and a field for 'URL template' indicated by a red arrow.

3. Save the changes

URL template in Embedded Content tab

The URL Template is a dynamic configuration feature within the Embedded Content tab that allows administrators to embed external web pages tailored to the current STEP context. This template supports placeholders that are automatically replaced with real-time values when the tab is rendered.

Supported Placeholders

The below mentioned placeholders allow the embedded URL to be context-aware, enabling personalized or node-specific content to be displayed directly within the Details page.

Placeholder	Description
{nodeId}	Returns the ID of the current node
{nodeType}	Returns the type of the node (e.g., Product, Classification, Entity, Asset)
{contextId}	Returns the ID of the current context
{workspaceId}	Returns the ID of the current workspace
{userId}	Returns the ID of the current user
{attr:attributeId}	Returns the value of the attribute with ID = attributeId
{workflowId}	Returns the ID of the current workflow if node is accessed via a task perspective.
{stateId}	Returns the ID of the current state if node is accessed via a task perspective.

HTML proof view

The Embedded Content tab can also be used to provide an HTML proof view, allowing users to preview content in a format that approximates how it will appear on a web page. The proof view is powered by an XML document that includes the XML-formatted values of a STEP object, combined with an XSLT stylesheet transformation.

The URL template for this is:

```
https://host/webui/proofview/products/{nodeId}?xslt=[xslt asset ID]&context={contextId}&workspace={workspaceId}
```

In the above URL, the following are to be considered:

- **Host:** The hostname of the STEP server.
- **Xslt:** The ID of an asset in STEP that contains the XSLT stylesheet as its asset content.

Below is an example URL:

```
https://acme.mdm.stibosystems.com/webui/proofview/products/{nodeId}?xslt=ProofViewXSLT&context={contextId}&workspace={workspaceId}
```

Rendering HTML from business functions

You can configure an Embedded Content Tab to render HTML Functions (business functions that return HTML) via a specific URL template. This allows you to display read-only, formatted data from multiple sources directly within Instrument UI, using the same tab framework as for external URLs. When configured, the tab retrieves the HTML output using the specified business function ID and node parameters, applies Instrument UI's default styling, and preserves any inline styles defined in the business function.

To render HTML functions specify a URL template that invokes your business function in the Embedded Content section. Use placeholders such as {nodeId} and {nodeType} to pass context. When the tab is rendered, UI executes the business function, retrieves the HTML, and displays it within the tab.

 **Note:** This feature supports only read-only HTML rendering. Ensure the HTML returned by the business function is well-structured. Instrument styling is applied by default, but inline styles from the function are also taken into consideration.

Below is an example URL template:

```
https://host/instrument-service/htmlFunction?functionId=[business function ID]&nodeId={nodeId}&nodeType={nodeType}&context={contextId}&workspace={workspaceId}
```

In the above URL, the following are to be considered:

- **Host:** The hostname of the STEP server.
- **Business function:** The ID of a business function in STEP that have Node as input parameter and String as return type.stylesheet as its asset content.

Below is an example URL:

```
https://acme.mdm.stibosystems.com/instrument-  
service/htmlFunction?functionId=MyHTMLFunction&nodeId={nodeId}&nodeType=  
{nodeType}&context={contextId}&workspace={workspaceId}
```

You can control whether the standard Instrument styling is applied to the rendered HTML by specifying "ods" as the class attribute in the <body> tag of the HTML returned by the business function.

Example output from the business function:

```
<body class="ods">  
  <h1>This is a styled header</h1>  
  <p>This is a styled paragraph</p>  
</body>
```

When the "ods" class is used, Instrument applies its default styling to the HTML content.

Important Considerations

The iframe used to display embedded content is allowed to run scripts but for security reason restricted to not allow popups, modals, file downloads, top-level navigation etc. Even though the iframe is allowed to run scripts, the content loaded inside the iframe may have stricter policies.

Fetching external content: The external URL must support iframe embedding. If the target site blocks iframe usage (e.g., via X-Frame-Options or Content Security Policy headers), the content will not render correctly.

HTML functions: The default content security policy for the instrument-service used for the HTML function servlet does not allow script evaluation.

If script evaluation is required then the policy can be changed through a STEP configuration property. It can be changed for all of STEP or more locally for the Instrument web context (instrument-service).

Content Security Policy (CSP) configuration for external content: If external content needs to be loaded in an embedded tab, either for a page hosted outside of STEP or from a page created through a business function, the source of that content needs to be whitelisted via the standard CSP relevant STEP configuration properties. This ensures that only trusted external content can be embedded.

Depending on whether the content needs to be loaded as source of the embedded tab directly or as part of a page created through a business function, different directives might be needed in the CSP configuration. To load a page from an external source directly in an embedded tab, the directive `frame-src` needs to be used to whitelist the `src`. To load content such as images as part of the HTML created through a business function, different directives need to be used, such as `image-src`. See more about how to use CSP from the resource linked here.

Configuration Tool Actions

The Configuration tool actions allow admin users to create preset actions that are triggered by user actions. The action options are described below.

Object Creation Configuration Action

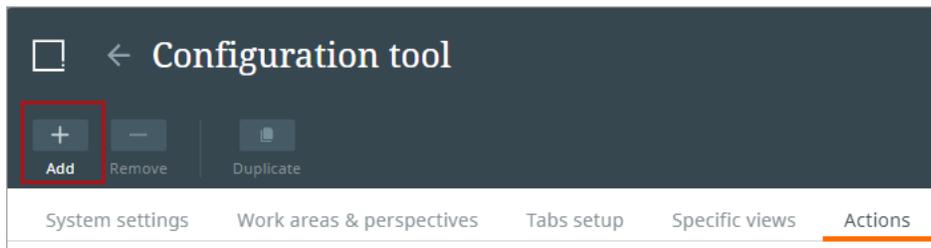
The object creation configuration action allows a user to create a new object and immediately initiate the new object into a defined workflow. This action is triggered in the following ways:

- In a Task perspective, object creation and initiation are triggered by clicking the 'Create' toolbar action. For additional information, refer to the Creating and Initiating a New Object within the Task Perspective topic.
- In a Browse perspective, object creation and initiation are triggered by right-clicking the 'Create' action. For additional information, refer to the Creating New Objects Within the Browse Perspective topic.

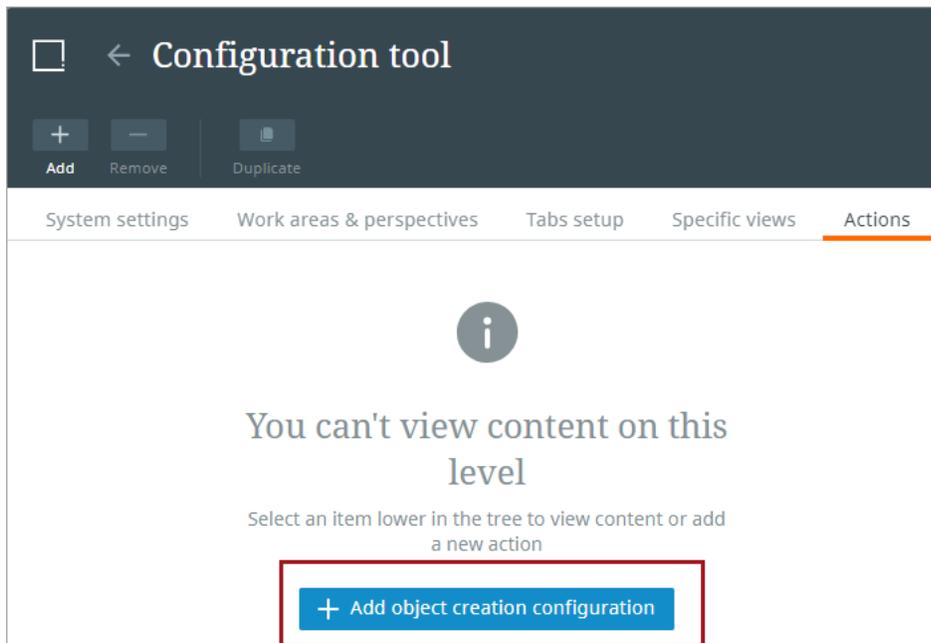
Creating an Object Creation Configuration Action

1. Add a new configuration.

- Click the **Add** toolbar button.



- Click the **Add object creation configuration** button.



2. Enter an **object type**, a **workflow**, select the **default parent node**, and click the **Create** button.

New object creation configuration
×

* Object type

Internal Source Record ×

* Workflow ⓘ

Internal Source Record Creation ▼

* Default parent ⓘ

▼ ■ Primary Product Hierarchy

- ▶ ■ Configurations Objects
- ▼ ■ Data Sources
 - ▶ ■ External Data Sources
 - ▼ ■ Internal Data Sources
 - ▶ ■ Golden Record creation area
 - ▼ ■ Internal Product Hierarchy
 - ▶ ■ Level 1
 - ▶ ■ Arts/Crafts/Needlework
 - ▶ ■ Audio Visual/Photography

Cancel
Create

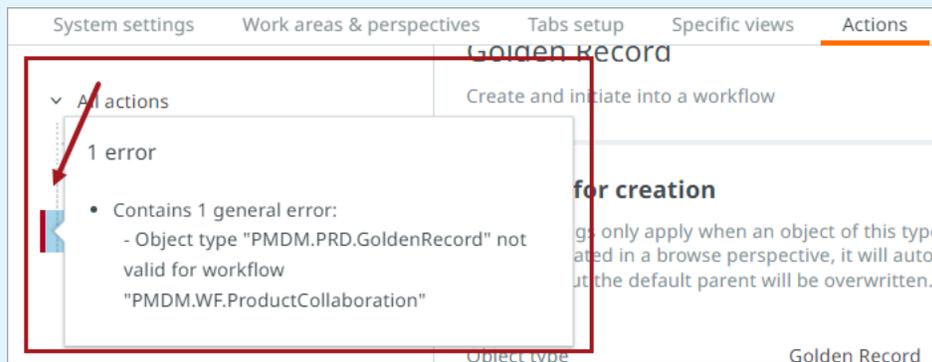
Note: The default parent settings apply when an object of this type is created in a Tasks perspective. If the object is created in a Browse perspective, it will automatically be initiated into the selected workflow, but the default parent will be overwritten with the location the object was added.



The default parent node value is stored in the 'Parent' field. This value can be updated later in a perspective table or using the Attribute tab of the details view. For more information on adding the 'Parent' field to these locations, refer to the **Creating a Browse Table Configuration in Specific Views** section of the Creating a Browse Perspective topic, the **Creating and Maintaining Tasks Perspectives** section of the Configuration Tool: Creating Perspectives and Work Areas topic, and the **Setting Attributes for Display** section in the Configuration Tool Tabs Setup topic.

3. Click the **Save** button in the toolbar.

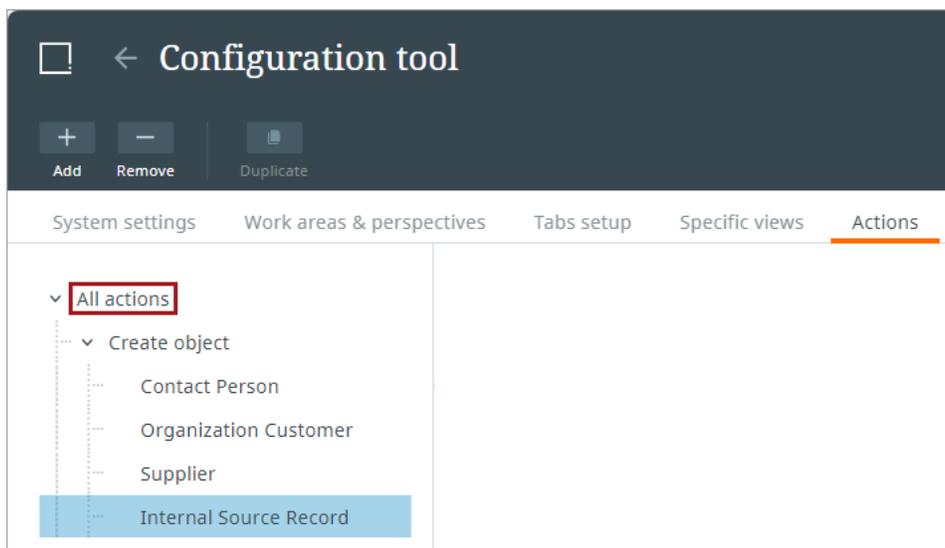
Note: Changes made to the properties of the actions may result in the action configuration to become invalid. If this happens, a red-line error indicator will display to the left of the affected configuration element. Hovering the cursor over the red line prompts an information pop-up to display. The pop-up describes the issue causing the configured element to be misconfigured, (as shown in the screenshot below), giving the user the information needed to make the appropriate change.



Updating Configuration Tool Actions

Actions can be viewed and updated by an admin user after the initial creation of the action.

1. Select the action from the actions list menu.

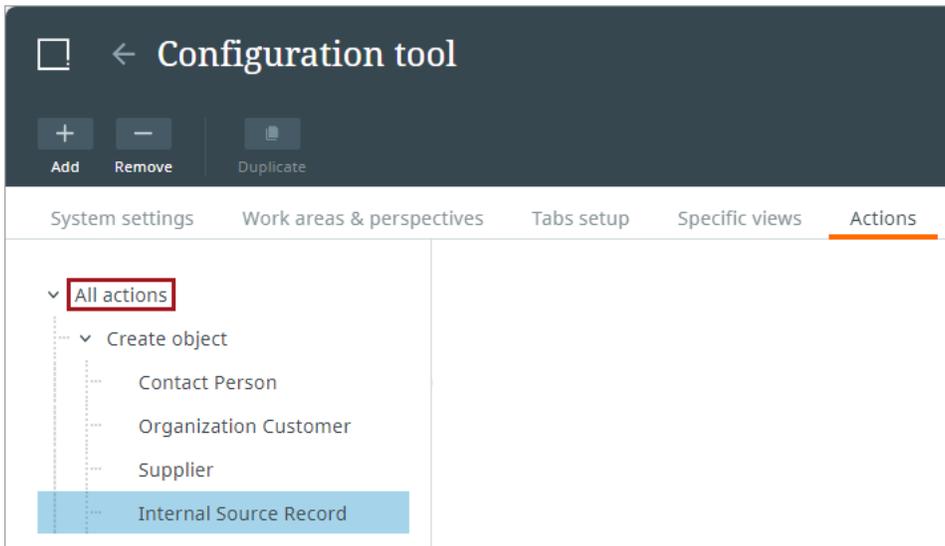


2. After making any changes, click the **Save** button on the top right of the page.

Removing Configuration Tool Actions

Actions can be removed by an admin user.

1. Select the action from the actions list menu.

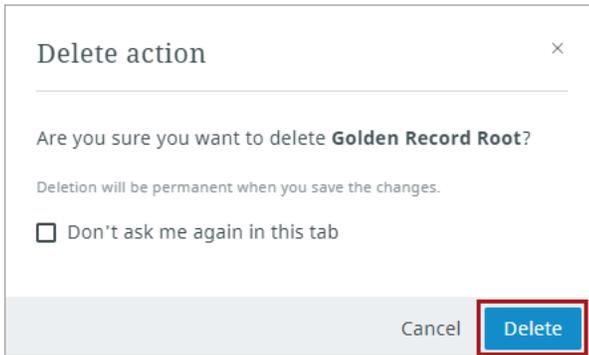


2. Click the **Remove** toolbar button.



3. Click the **Delete** button in the dialogue to confirm removal. If desired, check the box for **Don't ask me again in**

this tab for automatic removal for any future removal requests.



4. Click the **Save** button on the top right of the page.

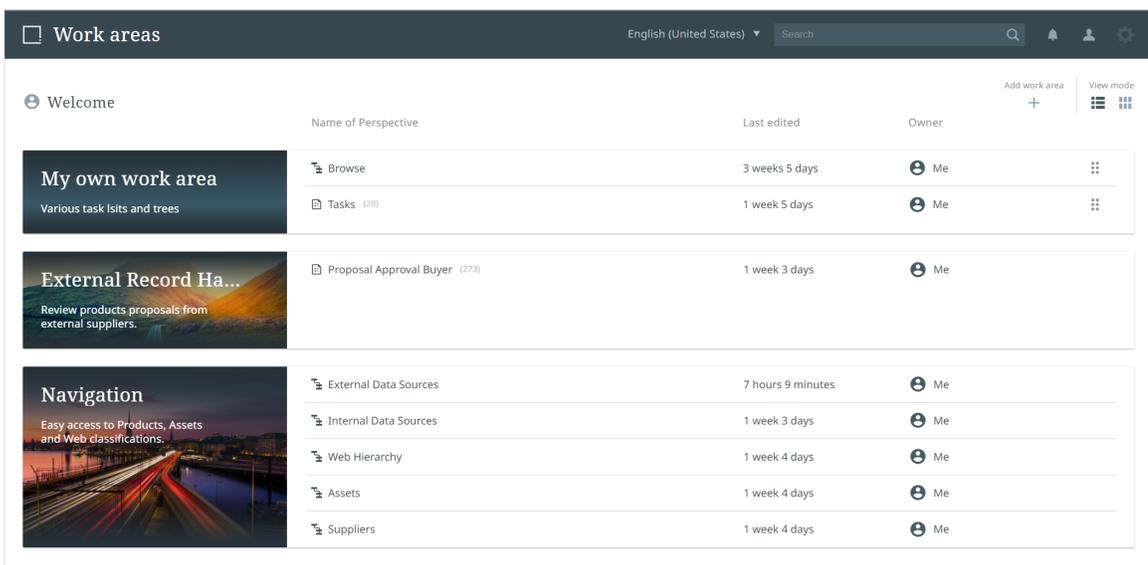
Preset Work Areas and Perspectives

The administrator can create custom, non-editable perspectives and work areas for user groups that will streamline dashboard assignments that have been configured to align with the customer's specific business requirements. Once created, these preset perspectives and work areas cannot be edited or deleted by users, and will display by default; this is to ensure that users are engaging with tasks in the way the admin configured. To use this feature, contact Stibo Systems.

Creating Preset Work Areas and Perspectives for Users

When creating a work area for users, you must be logged in to an admin account. Once logged in, refer to Configuration tool: Creating perspectives and work areas for instructions. After the work area have been set as default, user groups will be able to use them immediately.

To create default perspectives, you must be logged in to your admin account. Once logged in, refer to Configuration tool: Creating perspectives and work areas for instructions. Admin will need to add standard perspectives to the work area, and after work areas have been set to default, the perspectives will be default as well. Dashboard views for users will look the same, but editing and ordering work areas and perspectives will be limited.



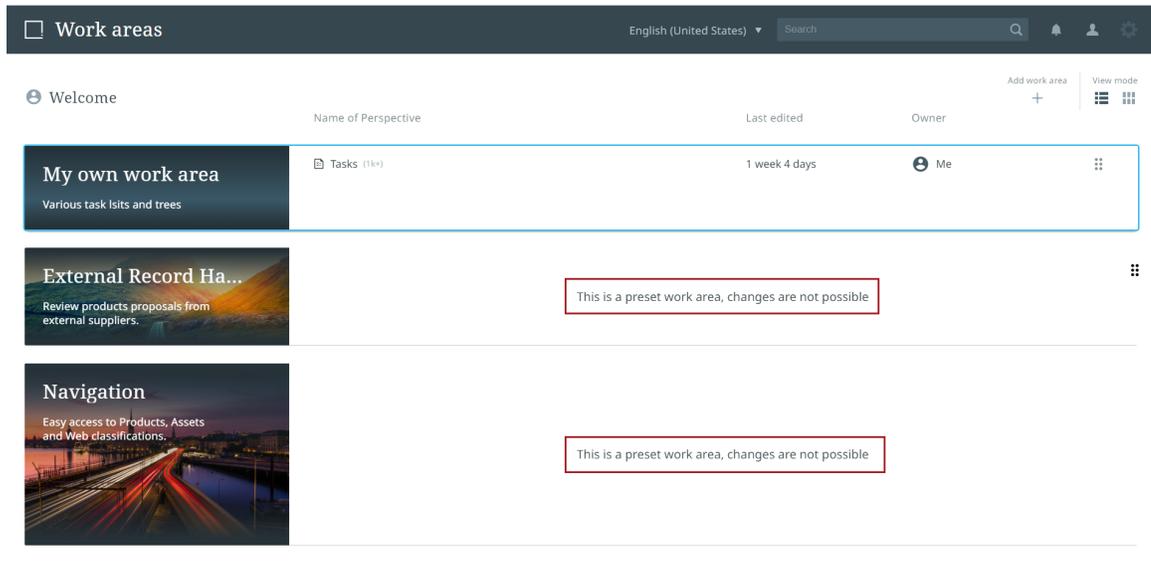
The screenshot shows the 'Work areas' interface. At the top, there is a header with 'Work areas', a language dropdown set to 'English (United States)', a search bar, and user profile icons. Below the header, there are three main sections: 'My own work area', 'External Record Ha...', and 'Navigation'. Each section contains a list of perspectives with columns for 'Name of Perspective', 'Last edited', and 'Owner'. The 'My own work area' section includes 'Browse' and 'Tasks (20)'. The 'External Record Ha...' section includes 'Proposal Approval Buyer (273)'. The 'Navigation' section includes 'External Data Sources', 'Internal Data Sources', 'Web Hierarchy', 'Assets', and 'Suppliers'.

Name of Perspective	Last edited	Owner
Browse	3 weeks 5 days	Me
Tasks (20)	1 week 5 days	Me
Proposal Approval Buyer (273)	1 week 3 days	Me
External Data Sources	7 hours 9 minutes	Me
Internal Data Sources	1 week 3 days	Me
Web Hierarchy	1 week 4 days	Me
Assets	1 week 4 days	Me
Suppliers	1 week 4 days	Me

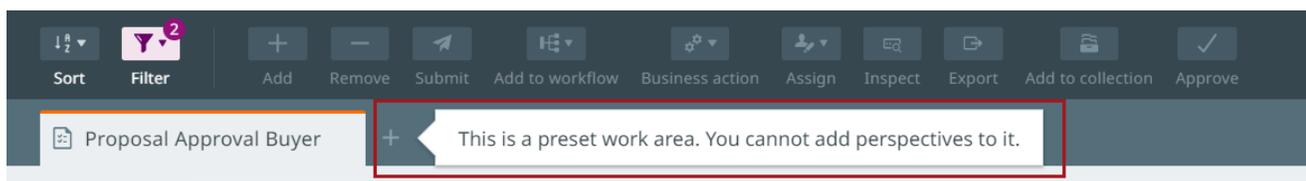
User Permissions for Preset Work Areas and Perspectives

Admin and users cannot modify or move preset work areas. The 'Edit' and 'Delete' options are disabled. Only admin users can change work area settings such as 'Rename,' 'Duplicate,' 'Move to,' 'Reset to default,' and 'Delete.'

Users cannot move perspectives once they have been set by admin permissions.



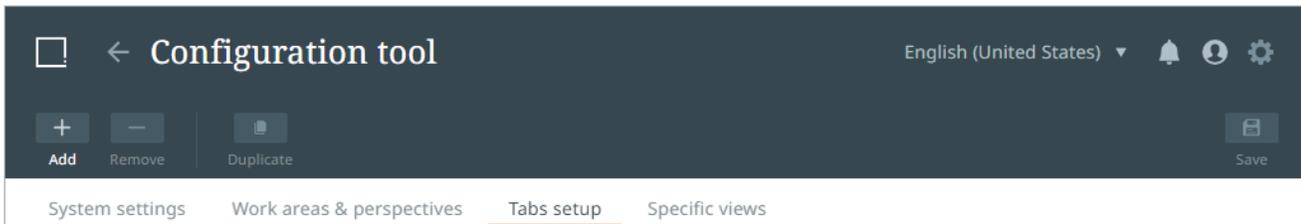
In a perspective, when a user hovers their cursor over the edit menu options, a message displays stating that the perspectives belong to the preset work areas and cannot be altered, nor new perspectives be added.



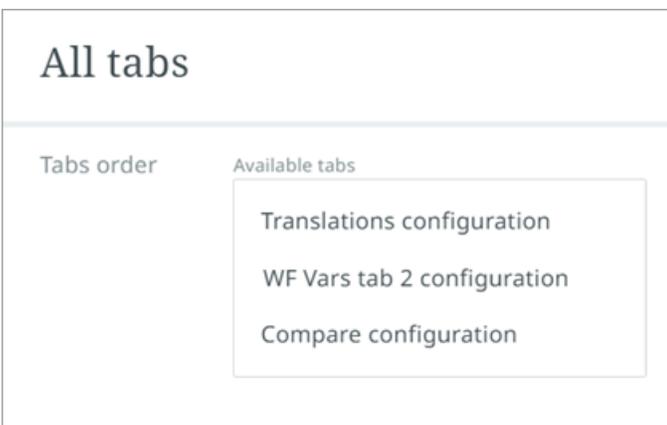
Users can add columns and adjust column width in preset perspective tables. Changes made by the individual user to default perspective tables such as columns, width, filters, and sort options, display only for that user, and are saved for future work sessions. Users can also choose to reset their adjusted tables back to default configurations by clicking the 'Reset to default' option.

Configuration Tool Tabs Setup

The Configuration tool's 'Tabs setup' functionality allows admin users to configure preset tabs for the details view. To access the 'Tabs setup' page, click on the Configuration tool icon in the upper-right hand corner of the screen. From the configuration tool home page, click on the 'Tabs setup' option.



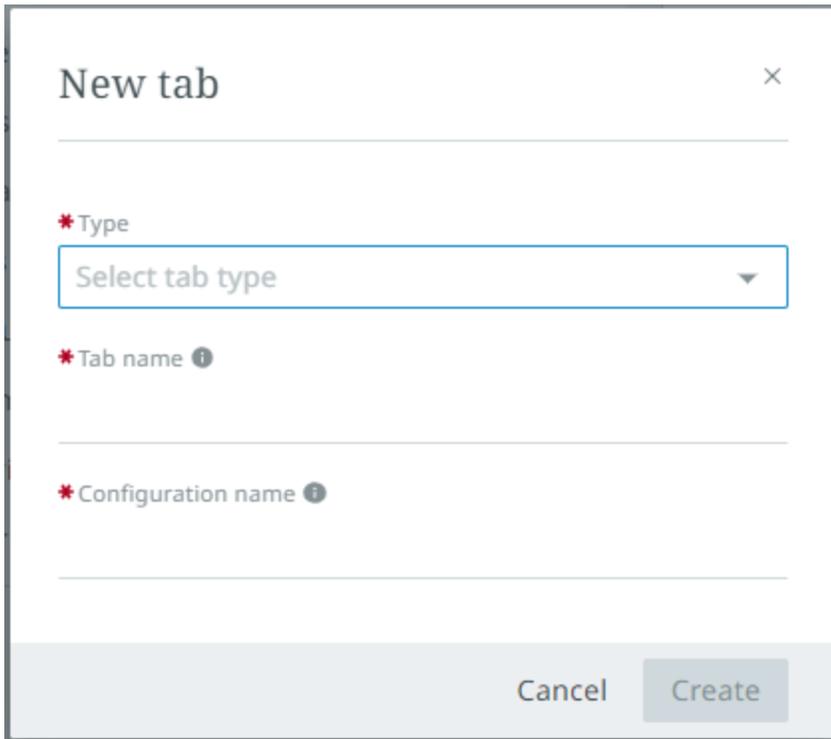
The 'Tabs setup' page will display all created tabs. Configured tabs will be listed on the left side of the page. Select a tab to view details.



Adding a Tab

To add a tab:

1. Click the '+' button in the toolbar. The 'New tab' dialog will display.



2. Select the type of tab to create: 'Attribute tab page,' 'Asset tab page,' 'Reference tab page,' 'Packaging tab page,' or 'Language tab page.'
3. Provide a name for the 'Tab name' field. A value will auto-populate for the 'Configuration name' field derived from the value provided for the 'Tab name' field. Users can revise this value as needed.



Note: The Configuration name is only displayed for admin users and only displays in the Configuration tool. End users cannot view the Configuration name.

4. Click 'Create' to create a tab. The new tab will display in the tree on the left side of the screen.

Configuring the Tab

The options available to configure a tab enable the Instrument UI admin to determine:

- when the tab displays
- for whom the tab displays
- the data the tab displays

To configure a tab, use the settings described below.

'Conditions for display' Parameters

The admin user can set conditions for tab display using the options found under the 'Conditions for display' section. Conditions for display can be combined and include: Views, User groups, Object type, Workflow, and Workflow State. These parameters are listed and described below.

Conditions for display

This tab will always be visible unless you select specific conditions for display.

Views	<input checked="" type="radio"/> Show in all views <input type="radio"/> Show in task perspectives only <input type="radio"/> Hide in task perspectives
User groups	<input type="text" value="Search"/>
Object type	<input type="text" value="Search"/>
Workflow	<input type="text" value="Search"/>
Workflow state	<input type="text" value="Search"/>

1. **Views.** The 'Views' parameter presents three radio buttons that, when set, determine which perspectives the tab will display in. This setting can help avoid cluttered interfaces by limiting the display of tabs to just those relevant to the user / user group.

Conditions for display

This tab will always be visible unless you select specific conditions for display.

Views

Show in all views

Show in task perspectives only

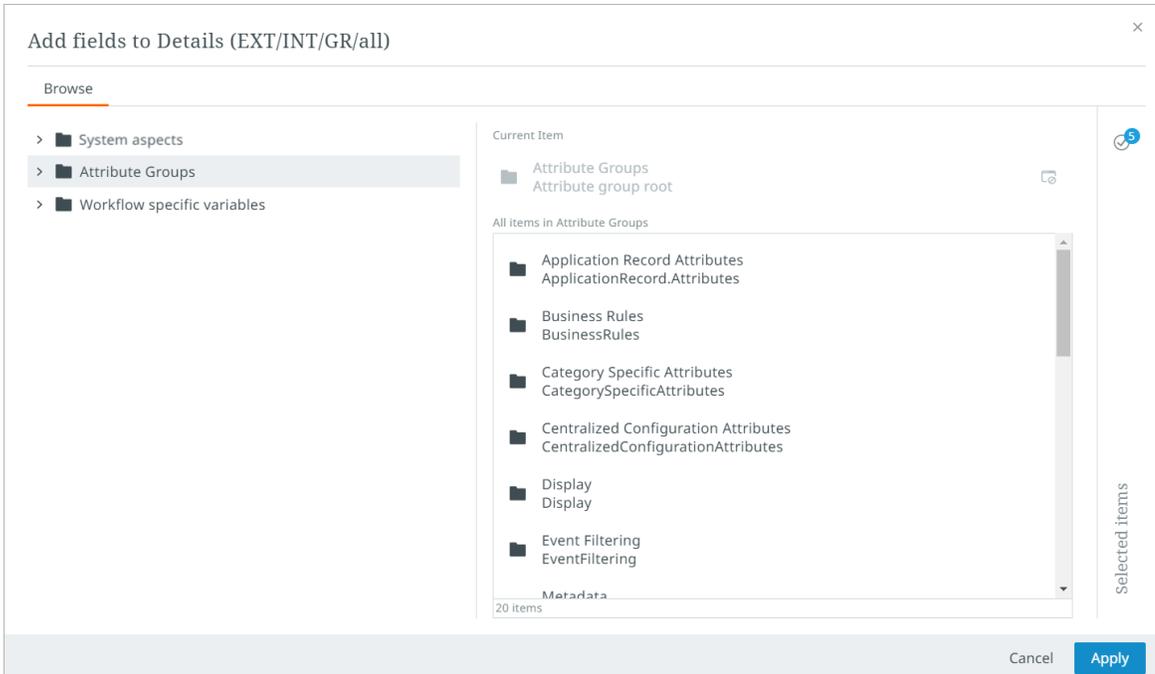
Hide in task perspectives

- 'Show in all views' -- The tab will display in all perspectives: Browse, Tasks, Collections, as well as in the search screen
 - 'Show in task perspectives only' -- The tab will only display in Tasks perspectives
 - 'Hide in task perspectives' -- The tab will not display in any Tasks perspectives
2. **User groups.** Allows the admin user to select specific user groups to access the tab. When user groups are selected, the tab is only displayed for the specified groups. If no user groups are selected, all user groups will have access to the tab. Normal privilege rules (maintained in the workbench) are still respected.
 3. **Object type.** Select one or more object types in this parameter to trigger display of the tab when one of the configured object types is being viewed.
 4. **Workflow.** By selecting a workflow, the tab will only display when objects in that workflow are being viewed.
 5. **Workflow state.** By selecting a specific workflow state, the tab will only display when an object in the specific workflow state is being viewed.

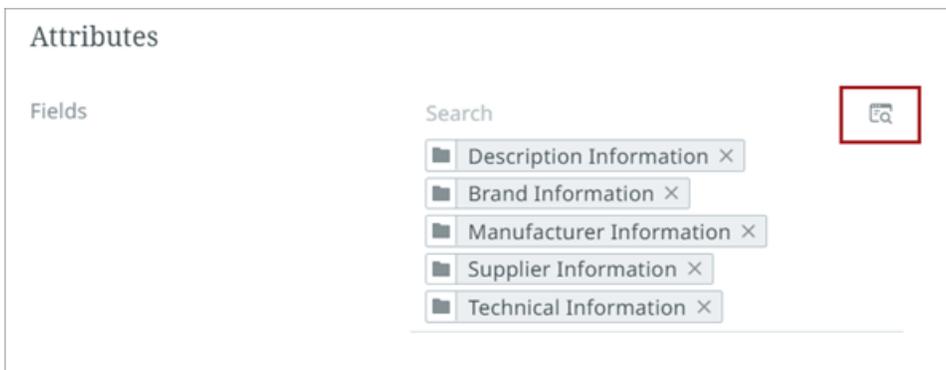
Setting Attributes for Display

The user can customize the new tab by selecting which attributes, attribute groups, and workflow variables display on the tab. If reference types are included in the selected attribute groups, those reference types can be selected and added for display on the attribute tab.

The 'Attribute groups' component allows admin users to select which attribute or reference fields should display in the tab. The search option utilizes a typeahead component with an option to open the Item Picker.



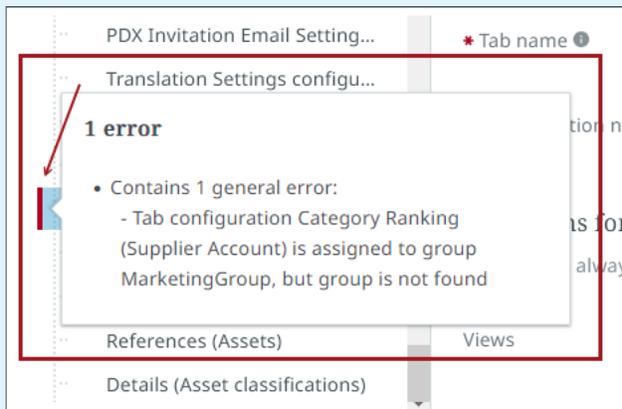
- To use typeahead, type the attribute name and select it.
- To use the Item Picker, select the Item Picker icon in the typeahead search bar.



The Item picker allows the administrator to select attributes, system aspects, workflow aspects, workflow variables, and Reference or Link types for a Tasks perspective table. Attributes, Attribute groups, and workflow variables are displayed in a dual list within the attribute tab's edit page.

When the tab is configured as desired, click 'Save' to keep all changes made to the tab configuration.

Note: If a work area, perspective, view, or tab is misconfigured, a red-line error indicator will display to the left of the affected configuration element. Hovering the cursor over the red line prompts an informational pop-up to display. The pop-up describes the issue causing the configured element to be misconfigured, (as shown in the screenshot below), giving the user the information needed to make the appropriate change.



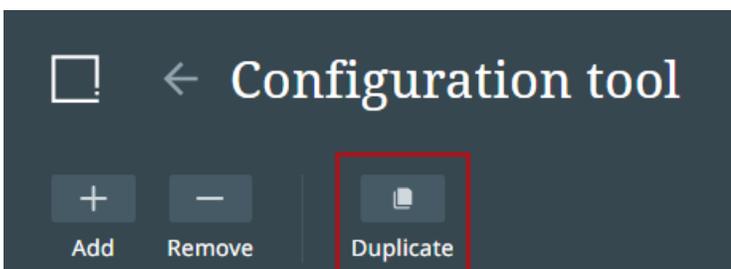
Until the configuration is corrected, the 'Save' and 'Duplicate' buttons will be inoperative.

Sequencing Tabs

Click 'All tabs' to view all existing tabs. Tabs can be reordered by clicking and dragging the order displayed in the 'Available tabs' display.

Duplicating a Tab

Admin users can duplicate a tab. The selected tab page configuration will be duplicated into the new duplicated configuration.



To duplicate a **tab**:

1. Select a tab page configuration in the tree on the left by clicking it.
2. Click 'Duplicate' in the toolbar and the tab will duplicate along with the configuration settings.
3. Click 'Save' to save changes.

Tab Type-Specific Configuration Options

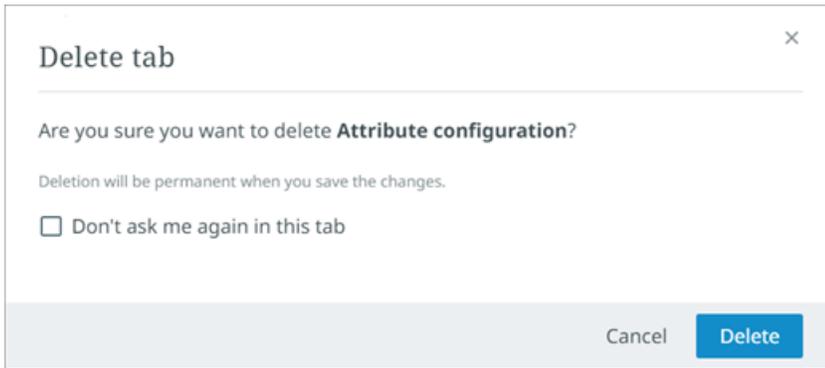
- **Attribute tab:** The Attribute tab displays attributes and workflow variables. Admin users can specify which attributes, attribute groups, and workflow variables should be used in the tab.
- **Asset tab:** The Asset tab displays asset values within the details view of the preset work areas and perspectives.
- **Reference tab:** The Reference tab displays a details pane that features a list of valid reference types in a References column and a tabular view of the references for the selected reference type.
- **Language tab:** The Language tab allows admin users to configure preset attributes that are language dependent. Admin users can specify which attribute groups should be used in the tab.
- **Packaging tab:** The Packaging tab displays any packaging hierarchies the currently selected object resides in.
- **Embedded Content tab:** The Embedded Content tab allows admin users to integrate external web content directly into the Details page. This feature is particularly useful for embedding dashboards, reports, or any external tools that enhance the user experience without navigating away from the page.

Removing a Tab

To remove a tab:

1. Click the tab in the tree on the left to select it.
2. Next, click the '-' button in the toolbar. The 'Delete Tab' dialog will display. Click delete to close the dialog. The dialog has an optional selection box that states 'Don't ask me again in this tab.' When this box is checked, the 'Delete tab' warning dialog will not display again, and the remove button will immediately delete the selected

tab when the '-' button is selected.



3. Click 'Save' to save changes made to the tab. Deletion of a tab will be permanent upon saving the changes.

For information on configuring a Compare tab to easily compare golden, external, and internal records for products, review the Configuring the Compare tab topic in the Central Configuration documentation.

Setting Business Action Availability

The administrator can decide which business actions their users can access in Instrument. Without setting up user access to business actions (as described in this topic), no actions will be available when users click on the Business action button.

Reading a New System Setup Group

Follow the steps below to designate a specific System Setup group that holds the business actions to be utilized by Instrument users:

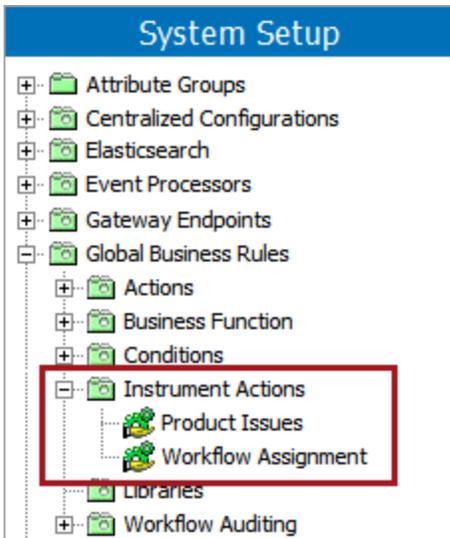
1. Open the local GraphiQL editor by navigating to your local STEP server: `https://[servername]/graphqlv2`.
2. Enter login credentials (requires admin access).
3. Paste the code pictured below into the left-side panel. (Also, be sure to remove the text 'InstrumentActions' and replace it with the system setup group ID for your desired business action group.) Refer to the online version of this topic for an example.
4. Click the play button (circle with an arrow) in the top left corner of the screen;



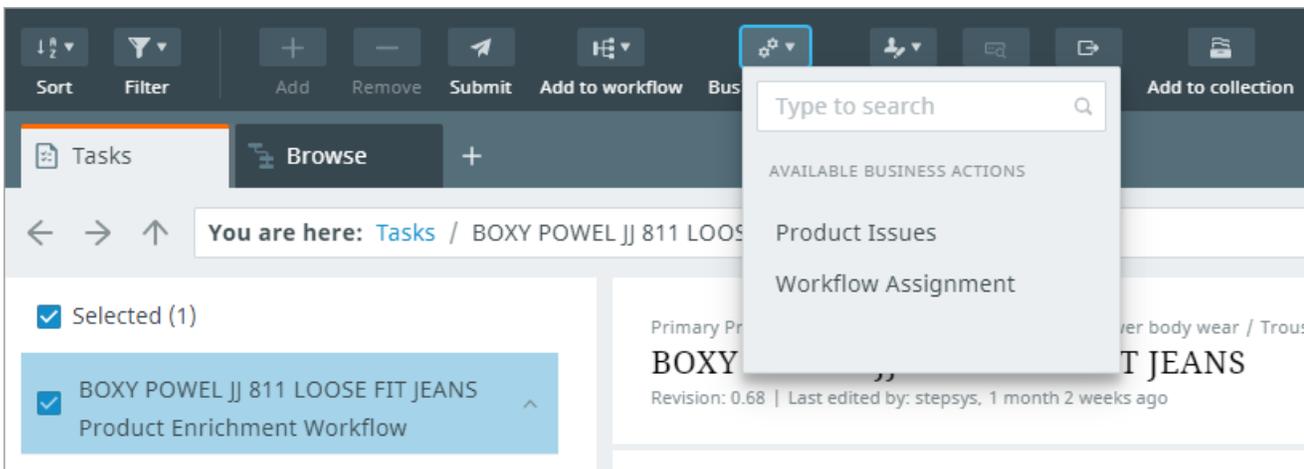
If your setup is a success, then this code is displayed on the right-hand panel, which is included in the online version of this topic.

Now, when a user clicks on Business action on the Instrument toolbar, the business actions configured under that group will be available.

STEP Workbench:



Instrument:



When reviewing the business action hierarchy in the workbench, it is useful for admin users to know that any business actions contained in sub-folders beneath the folder specified as the `businessActionsGroupId` will also be displayed in the Business action button dropdown.

Setting Default Asset Upload Classification

A default classification folder with the ID of 'IllustrationRoot' is used to store all image files used as background images for work areas. The administrator can elect to use a different folder for these image assets using the method described below.

Setting a New Asset Upload Classification

Follow these steps to designate a specific classification folder to use for storing work area background image assets:

1. Open the local GraphiQL editor by navigating to your local STEP server: `https://[servername]/graphqlv2`.
2. Enter login credentials (requires admin access).
3. Paste the code pictured below into the left-side panel. (Also, be sure to remove the text 'InstrumentAssets' and replace it with the classification folder ID for your desired asset upload classification.) Refer to the online version of this topic for an example.

Click the play button (circle with an arrow) in the top-left corner of the screen.



If your setup is successful, this code is displayed on the right-hand panel, which is included in the online version of this topic.

Create Toolbar Button Setup

The 'Create' button is a button located within the toolbar of a Tasks perspective that allows a user to create a new object and initiate that object into the initial state of a workflow. For more information on how to use the 'Create' button, review the Creating and Initiating a New Object within the Tasks Perspective topic. Before the 'Create' button can be utilized, a series of configurations need to be completed.

Prerequisites

- The object type being used for the new object(s) must be created within STEP Workbench with an autogenerated ID. For more information on how to create an object type, refer to the Creating an Object Type topic in the System Setup documentation.
- A workflow is required for initiating the newly added object. For additional information on creating a workflow, refer to the Creating a Workflow topic in the System Setup documentation.

It is important that the workflow:

- Is not configured with business rules that require data on incoming objects before being accepted by the workflow.
- Uses an Initial state that is not part of a cluster or parallel initial state.
- In Instrument, an 'Add object creation configuration' action must be configured in the Configuration Tool for the intended object type of the new object(s). This configuration will define a workflow and a default parent node. Refer to the Configuration Tool Actions topic for additional information.
- Users utilizing the 'Create' button must belong to a User Group that has 'Create product', 'Create entity', or 'Create classification' permissions defined for object types in the STEP Workbench. Refer to the Adding Setup Privileges for a Group topic in the System Setup documentation.