Akeneo PIM 3.2 further builds off new capabilities introduced in version 3.0. This release delivers improvements in reference entities and Franklin Insights, as well as improvements in PIM workflow, performance, and the API. PIM 3.2 is a Long-Term Support (LTS) version and will be supported through January 2021. We invite you to begin planning for your upgrade now to take advantage of the cool new features in this exciting new release!

Unless otherwise noted, the enhancements in version 3.2 apply to both Community Edition and Enterprise Edition.

**Reference Entities Improvements**  
**EE only**

The reference entities feature includes two new improvements that make managing reference entities more robust.

**New number attribute type**

This new capability enables reference entities to have attribute types with numeric values. In the example below, a new Creation Year attribute uses a numeric attribute type. Values can optionally be specified as decimals, and minimum and maximum values are also supported to help ensure high quality product data.
New ability to display products linked to a reference entity

Version 3.2 introduces a new Products tab so you can easily access products directly from the reference entity record.

By default, the first 20 products are listed. Above the grid the total number of linked products are noted. To see all products, simply click “View all products.” To view or edit a linked product, simply click on it and it will open its product form. The advantage of this feature is that PIM users can see at a glance what products are linked to a given reference entity, and rapidly access a product directly from the reference entities screen, saving clicks, enhancing productivity, and delivering a better user experience.

**Benefit:** More robust reference entities and simplified navigation means improved usability and productivity for marketers using reference entities to enhance the product experience!
Franklin Insights Enhancements  

**Exact match attribute mapping**

New in Franklin Insights is the ability to automatically map attributes where the fields are an exact match in Franklin and in the PIM catalog. This new capability reduces the need to do manual mapping only for fields where the attribute names are different.

**Suggest attributes for a family**

If Franklin finds an attribute that exists but is in a different family, a button appears that enables you to simply add the attribute to the current family, which reduces clicks and streamlines the mapping process.
Suggest creating new attributes

If Franklin finds an attribute that does not exist in the PIM, a new "Create attribute" button appears so that in a single action, you can create the attribute and attach it to the family, without having to exit the attribute mapping screen.

Work in progress

New in version 3.2 is a progress bar that shows the number of attributes matched compared to how many are remaining to do. This offers an at-a-glance view of the remaining mapping work left to perform.

Faster time to generate proposals

In 3.2 the time to generate a proposal from Franklin Insights has been changed from once per hour to once every five minutes, making this process 12 times faster.

Benefit: Get to market faster!
Workflow Enhancements  

Filter on draft status in the product grid

As part of the enrichment workflow, changes to products are normally reviewed and approved prior to distributing the catalog. To make it easier to review the list of products, version 3.2 introduces a new "draft status" filter in the product grid. This makes it easier for contributors to follow the enrichment workflow and focus their work, leading to improved productivity and faster catalog completeness.

Bulk and sequential edit and send draft for approval

Prior to 3.2, sending draft for approval could only be performed on one product at a time via the "Send for approval" button. In 3.2, workflow validation can now occur as a sequential edit or as a bulk edit. In the sequential edit, the "Send and next" button enables you to immediately send drafts for approval and then move on to the next item to review.
Similarly, a new checkbox in Bulk Actions lets you send multiple products for validation at once.

**Benefit:** Increased productivity and faster time to market!

### Export Performance Improvements

Version 3.2 includes performance improvements in product exports via the API. Export via the API is now 5 times faster on average compared to exports via Excel or CSV. Export performance also depends on the "size" of your products. For example, for products with an average of 400 values, you'll now be able to export more than 200,000 products per hour, or 57 products per second. For products with 50 values per product, you can export nearly 700,000 products per hour, or 192 products per second.

**Benefit:** Faster exports for faster time to market!

### API Enhancements

Version 3.2 includes two new API features that simplify development with product models.

- **Product Model endpoints:** the API now includes the product model family in its format to make it easier to retrieve the family without making multiple calls.

- **New filter when retrieving products:** with this filter, you can now very easily retrieve the variant products of a given product model (whether it's a root or sub-product model).

**Benefit:** Improved developer experience.