



Informatica® MDM - Product 360
10.1

Release Notes

Informatica MDM - Product 360 Release Notes

10.1

December 2020

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Preface

Refer to the *Informatica® MDM - Product 360 Release Notes* to learn about new features and enhancements, behavior changes between versions and support changes in this version.

Informatica Resources

Informatica provides you with a range of product resources through the Informatica Network and other online portals. Use the resources to get the most from your Informatica products and solutions and to learn from other Informatica users and subject matter experts.

Informatica Network

The Informatica Network is the gateway to many resources, including the Informatica Knowledge Base and Informatica Global Customer Support. To enter the Informatica Network, visit <https://network.informatica.com>.

As an Informatica Network member, you have the following options:

- Search the Knowledge Base for product resources.
- View product availability information.
- Create and review your support cases.
- Find your local Informatica User Group Network and collaborate with your peers.

Informatica Knowledge Base

Use the Informatica Knowledge Base to find product resources such as how-to articles, best practices, video tutorials, and answers to frequently asked questions.

To search the Knowledge Base, visit <https://search.informatica.com>. If you have questions, comments, or ideas about the Knowledge Base, contact the Informatica Knowledge Base team at KB_Feedback@informatica.com.

Informatica Documentation

Use the Informatica Documentation Portal to explore an extensive library of documentation for current and recent product releases. To explore the Documentation Portal, visit <https://docs.informatica.com>.

If you have questions, comments, or ideas about the product documentation, contact the Informatica Documentation team at infa_documentation@informatica.com.

Informatica Product Availability Matrices

Product Availability Matrices (PAMs) indicate the versions of the operating systems, databases, and types of data sources and targets that a product release supports. You can browse the Informatica PAMs at <https://network.informatica.com/community/informatica-network/product-availability-matrices>.

Informatica Velocity

Informatica Velocity is a collection of tips and best practices developed by Informatica Professional Services and based on real-world experiences from hundreds of data management projects. Informatica Velocity represents the collective knowledge of Informatica consultants who work with organizations around the world to plan, develop, deploy, and maintain successful data management solutions.

You can find Informatica Velocity resources at <http://velocity.informatica.com>. If you have questions, comments, or ideas about Informatica Velocity, contact Informatica Professional Services at ips@informatica.com.

Informatica Marketplace

The Informatica Marketplace is a forum where you can find solutions that extend and enhance your Informatica implementations. Leverage any of the hundreds of solutions from Informatica developers and partners on the Marketplace to improve your productivity and speed up time to implementation on your projects. You can find the Informatica Marketplace at <https://marketplace.informatica.com>.

Informatica Global Customer Support

You can contact a Global Support Center by telephone or through the Informatica Network.

To find your local Informatica Global Customer Support telephone number, visit the Informatica website at the following link:

<https://www.informatica.com/services-and-training/customer-success-services/contact-us.html>.

To find online support resources on the Informatica Network, visit <https://network.informatica.com> and select the eSupport option.

CHAPTER 1

Introduction

This chapter includes the following topic:

- [Introduction to MDM - Product 360 10.1 , 7](#)

Introduction to MDM - Product 360 10.1

Informatica's strategy is to strengthen our customers with our leading multi-domain MDM solution for consolidating all master data and leveraging the potential of relationship insights across it. For that, Informatica offers trusted master data-fueled applications for dedicated use cases, industries, and roles. One important use case is around enabling collaboration for new product introduction across all channels. Product information and experience management as a vital component of master data management.

Product 360 leverages the full power and capabilities of Informatica's Intelligent Data Platform and provides a unified user experience, built-in data quality engine, business process management, search, and metadata, all inherited from the MDM architecture it's built on. This allows you to start smart and grow fast, making it easy to adapt to both, market changes and the competitive landscape.

Within the same year which Informatica has been launching the major release of 10.0, we are proud to bring the next key set of innovation to our customers. Informatica MDM - Product 360 10.1 comes with a rich set of new capabilities to further help you delivering more effective product content to customers across digital channels. While delivering a huge number of features towards business user experience, an equal amount of new possibilities can be found in the underlying platform services and supported use cases for enterprise scalability.

We hope you enjoy this release and all the great new things that come with it.

The key innovations are:

User Experience	<ul style="list-style-type: none">- Completely revamped web user interface, including new capabilities to bring user experience to the next level- Automated content enrichment with AI-driven product classification using the CLAIRE™ recommendation service- Deep visibility into data changes and history with the next-generation audit trail component to democratize data for users
Enterprise Scale and Platform Enhancements	<ul style="list-style-type: none">- New Object API component allowing read access to complete product records by a single call- Swagger UI (OpenAPI) to provide a visual user interface when working with the List API or Management API of Product 360- Enhanced batching of high data load operations to significantly boost performance in enterprise deployments and setups

CHAPTER 2

User Experience

This chapter includes the following topics:

- [Product 360 Web UI shines in a new lightweight look and feel, 8](#)
- [Historic information at your fingertips: Web-based Audit Trail, 10](#)
- [CLAIRE™ recommendation services, 13](#)
- [Workflow task visualization in Product 360° view, 14](#)
- [Focus mode for distraction-free working, 15](#)
- [Easily find, arrange, and hide tabs, 16](#)
- [Multi-relationship generation on the Web UI, 18](#)
- [DQ-driven navigation to the source of issues, 19](#)
- [Query visibility configurable via interface visibilities, 19](#)
- [Workflow tasks allow to assign and accept all items in one go, 20](#)
- [Remember last used web search index, 21](#)
- [Sort bar charts by the total number of objects, 21](#)
- [Using wildcards to filter in task widgets, 21](#)
- [Option to filter a list of products by All columns as default, 22](#)

Product 360 Web UI shines in a new lightweight look and feel

A bright and fresh appearance has been introduced for the Product 360 Web UI.

This revised look and feel not only creates a new experience but also improves productivity and user guidance by highlighting which fields are editable, improving the visual correlation between elements, and many more visual enhancements.



Informatica Product 360

Tina Ten - View - Help - Log out

Welcome Tina Ten

Data Onboarding Dashboard

MyTasks

Workflow Tasks: ACCEPTED (1) NOT ACCEPTED (6) MY RESPONSIBILITIES (2)

- Review items for campaign release (Item: 5) in 242 days
- Add Datasets for T-Vs (Item: 10) in 263 days
- Please provide us with more information on these SKUs (Item: 3) in 263 days

TeamTasks

Workflow Tasks: Filter by user group

- Global Product Marketing: Validate attributes for Go Live (Item: 29) in 19 days
- Global Product Marketing: Review products for approval (Item: 7) in 24 days
- Global Product Marketing: 01 Add classification information (Items Unlimited) (Item: -2)
- Global Product Marketing: 02 Complete base information (Items Unlimited) (Item: -1)
- Global Product Marketing: 03 Translate Marketing texts (Items Unlimited) (Item: -6)

Workflow Status Information

Item	Progress
01 Taxonomy assignment	25% / 71%
02 Base data completeness	14% / 29% / 57%
03 Marketing text readiness	100%

Rules (02 Base data completeness)

Item	0	2	5
Animal ingredients - Item	0	2	5
Audit Report - Item	0	2	5
Care instructions - Item	0	2	5
Electronic Devices - Item	1	2	4
Nutrition Facts - Item	0	2	5

Time to Market (last 500 Products)

Time to Market	Count
1 to 10 days	192
11 to 14 days	145
15 to 20 days	115
More than 20 days	40
Not live yet	15

Update for Data Pool (Last 12 months)

Month	Count
March 2020	53
April 2020	136
May 2020	91
June 2020	29
July 2020	151
August 2020	40

Update for eCommerce (Last 12 months)

Month	Count
March 2020	45
April 2020	111
May 2020	70
June 2020	30
July 2020	149
August 2020	55

Update for Amazon (Last 12 months)

Month	Count
March 2020	102
April 2020	150
May 2020	71
June 2020	27
July 2020	89
August 2020	61

MDM World HQ INFRA

Support Site: Redwood City, California

Power great customer experiences

Power great customer ex...

Informatica Product 360

Master catalog

Sample Data Consumer Electronics

Item

▼ Sample Data Consumer Electronics

▼ Product

▼ Television

▼ Digital TV's

▼ MultiVision Series

MultiVision

► Multivision IW

► TechLine Series

► TechVision HD Series

► TechVision ISO Series

HDTV Series

► Digital TV accessory

► Digital receiver

► Reception technology

► Complete package

► PC products

► Accessories

DAB radios

Actions Create item

MultyVision ISO (10)

Thumbnail	Item no.	Short description (English)	Status	GTIN	Net customer price (from 1)
	1572423771143077	MultyVision 75 ISO, titanium	01 New	457508506	1,999.20
	Article_15724237711951...	MultyVision 75 ISO, gray	01 New		1,999.20
	1572423771143087	MultyVision 75 ISO, silver	01 New	6796570567867	1,099.20
	5832/0306	MultyVision 32 ISO, silver	04 Changed	40195888320604	1,279.20
	5832/0316	MultyVision 32 ISO, titanium	04 Changed	40195888321694	1,279.20
	5840/0306	MultyVision 40 ISO, silver	04 Changed	40195888400606	1,599.20
	5840/0316	MultyVision,40,ISO,titanium	04 Changed	40195888401648	1,599.20

Item "1572423771143077 - MultyVision 75 ISO, titanium"

Parent product: "1572423771143026 - MultyVision 75 ISO"

Product 360 view

Quality status Header Preview Web Shop Text Prices Media Classification Marketing Characteristics Kits and Components References History GSIN Publication Status

Item no. 1572423771143077

Status 01 New

Workflow Structure Assignments Incoming References Outgoing References Components Parent Kit Parent Product

Informatica Product 360

Multimedia document

646x1000 (11)

Page 1 of 1

► Fashion Unlimited

Food

► Hi-system

Images

category

► apparel

► electronics

category

► gnc03_dairy

► gnc03_fruit

200x310

646x1000

► gnc03_meat

► gnc03_vegetables

► health

► homefurnishings

► newslettersmagazines

► ribbonsads

► INFAMet

► Kitchen and Table Corporation

► Tools Manufacturer

Media Search

Search

gfr033_3301.jpg

gfr033_3302.jpg

gfr033_3303.jpg

gfr033_3304.jpg

gfr033_3305.jpg

gfr033_3306.jpg

gfr033_3307.jpg

gfr033_3308.jpg

gfr033_3302.jpg

Technical information General information Embedded meta data Usage list Derivatives Image preview

Zoom 50%

Document identifier: 012000107215485

Historic information at your fingertips: Web-based Audit Trail

As the history of data is a crucial asset for many users in various roles, an easy to understand visualization for historic data has been introduced.

History tab

A web-native "History" tab has been introduced (also available as view inside the Desktop UI of Product 360). It is available for products and other data types to access the information right in the context of a record. It is possible to select one or multiple objects, to view all changes chronologically. The number of change records to be displayed before clicking on "Show earlier events" can be configured in the `plugin_customization.ini` file. The user can also decide to look at all change entries at once, using the "Expand all" option enabling a scroll-through experience.

The data is presented in the user's language and locale. The user's permissions on the data are respected and to see data of a deleted part of the data model a specific action right has been introduced. Similarly, it is configurable by action right if the user is allowed to see who made the corresponding changes to the records.

Item "771195174 - MultyVision 75 ISIQ, grey"

Parent product: "1572423771143026 - MultyVision 75 ISIQ"

Product 360 view

Quality status

Header

Preview

Web Shop

Text

Prices

Media

Classification

Marketing Characteristics

Kits and Components

References

History

Item no.: 771195174

Status: 01 New

Tina Ten

Wednesday, 11/18/2020 7:41:24 AM (22 hours ago)

Initiated by User

Field	Old value	New value
▼ Header data		
▼ Language-specific data (English, Default Channel)		
Short description	MultyVision 75 ISIQ, titanium	MultyVision 75 ISIQ, grey

Tina Ten

Wednesday, 11/18/2020 7:41:04 AM (22 hours ago)

Initiated by User

Created

Field	Old value	New value
▼ Header data		
Component		Yes
Item no.		Article_1572423771195174
Kit		No
Manufacturer		TechniSat
Manufacturer item no.		5846/0316
Sold only in kits		No
Status		01 New

Filters

The history tab includes three types of filters to quickly narrow down the data and finding relevant changes. It is possible to filter on which users' changes are showing up, to only show changes which happened before a specific date and time, or only for selected fields. For the field filter, the user has the possibility to leave the qualifications empty, allowing the filter to be applied on any qualification (e.g. see changes on a price of any currency). All filter settings are remembered across sessions, allowing the user to only focus on what she is interested in and can conveniently be reset with the "clear filter" icon.

Filter by user name

11/19/2020 1:26 AM

Users: Emmett Brown Tina Ten

Fields: Long description (English) Other remarks (English) Short description (English)

Revert a value

In case the user wants to revert to a previous value (e.g. an undo of setting a value in case of a mistake), a "Revert" button is displayed on hover over a value. Clicking it will show the currently active value, and after confirmation, will set the old value as a new one (or re-create it in case it no longer exists overall).

With the ISIO models in the new MultyVision series, TechniSat has expanded its proven multi-tuner concept to include yet another transmission path. Besides the ability to receive digital TV and radio channels via DVB-S, DTT and DVB-C without an additional receiver, the MultyVision ISIO includes an integrated IP module to allow access to internet content as well. For TV viewers, this means that pressing the internet button on the remote control while watching regular TV programmes calls up interactive services and media libraries, as well as browse the internet at will. This melds various media together within one device and offers an interactive TV experience. From now on you can shape your television viewing individually and watch your favourite films regardless of the TV schedule. Innovative technology. Individual content. Interactive experience. The MultyVision ISIO has it all.

[Revert](#)

Revert the field value

Reverting a value will set the selected value as the new active value, or create it in case it no longer exists.

Affected field: Long description

Current value: oops

Revert to: With the ISIO models in the new MultyVision series, TechniSat has expanded its proven multi-tuner concept to include yet another transmission path. Besides the ability to receive digital TV and radio channels via DVB-S, DTT and DVB-C without an additional receiver, the MultyVision ISIO includes an integrated IP module to allow access to internet content as well. For TV viewers, this means that pressing the internet button on the remote control while watching regular TV programmes calls up interactive services and media libraries, as well as browse the internet at will. This melds various media together within one device and offers an interactive TV experience. From now on you can shape your television viewing individually and watch your favourite films regardless of the TV schedule. Innovative technology. Individual content. Interactive experience. The MultyVision ISIO has it all.

[Apply](#) [Cancel](#)

Flex UI

To support use-case driven work, the history view is also available as a component for Flex UIs. With that, it is also possible to pre-define filters via the Flex UI configuration, allowing it to show only changes of defined users, fields, or time according to the use-case and without the user needing to set those filters manually.

Informatica Product 360

Items (10)

	Image	Short description	Item no.
1		MultyVision 32 ISIO, silver	5832/0306
2		MultyVision 32 ISIO, titanium	5832/0316
3		MultyVision 40 ISIO, silver	5840/0306
4		MultyVision 46 ISIO, silver	5846/0306
5		MultyVision 46 ISIO, titanium	5846/0316
6		MultyVision 75 ISIO, grey	771195174
7		MultyVision 75 ISIO, silver	1572423771143087
8		MultyVision 75 ISIO, titanium	1572423771143077
9		MultyVision 40 ISIO, titanium	5840/0316
10		Television Soundbar Kit	1572423771143097

History

Fields: [Short description \(English\)](#) [Other remarks \(English\)](#)

Changes of the last minutes may not be included yet.

Tina Ten Wednesday, 11/18/2020 7:41:24 AM (22 hours ago) Initiated by User Article_1572423771195174

Field	Old value	New value
▼ Header data		
▼ Language-specific data (English, Default Channel)		
Short description	MultyVision 75 ISIO, titanium	MultyVision 75 ISIO, grey

Tina Ten Wednesday, 11/18/2020 7:41:04 AM (22 hours ago) Initiated by User **Created** Article_1572423771195174

Field	Old value	New value
▼ Header data		
▼ Language-specific data (English, Default Channel)		
Short description		MultyVision 75 ISIO, titanium

Audit Trail search

For advanced needs, a powerful Audit Trail search is available. This allows you to find changes across data types, change types (e.g. deleted objects), time frames, initiators, and users. For the search with identifiers, one or multiple identifiers are possible to be set, and wildcards are supported as well. It can also be searched by unqualified fields (e.g. any "Price"), and containers can be selected (e.g. the catalog of an item), including searching across all catalogs, or only within supplier catalogs.

Search result (7)

	Data type	Identifier	Container	Event type	Performed by	Date time	Initiator
1	Item	AIN_63824376887	Items Unlimited	Created	System	Wednesday, 11/18/2020 6:00:27 AM (24 hours ago)	Import
2	Item	AIN_63824376887	Items Unlimited	Created	System	Wednesday, 11/18/2020 6:00:26 AM (24 hours ago)	Import
3	Item	AIN_63824376887	Items Unlimited	Created	System	Wednesday, 11/18/2020 6:00:26 AM (24 hours ago)	Import
4	Item	AIN_63824376887	Items Unlimited	Created	System	Wednesday, 11/18/2020 6:00:26 AM (24 hours ago)	Import
5	Item	AIN_63824376877	Items Unlimited	Created	System	Wednesday, 11/18/2020 6:00:26 AM (24 hours ago)	Import

Details

Changes of the last minutes may not be included yet

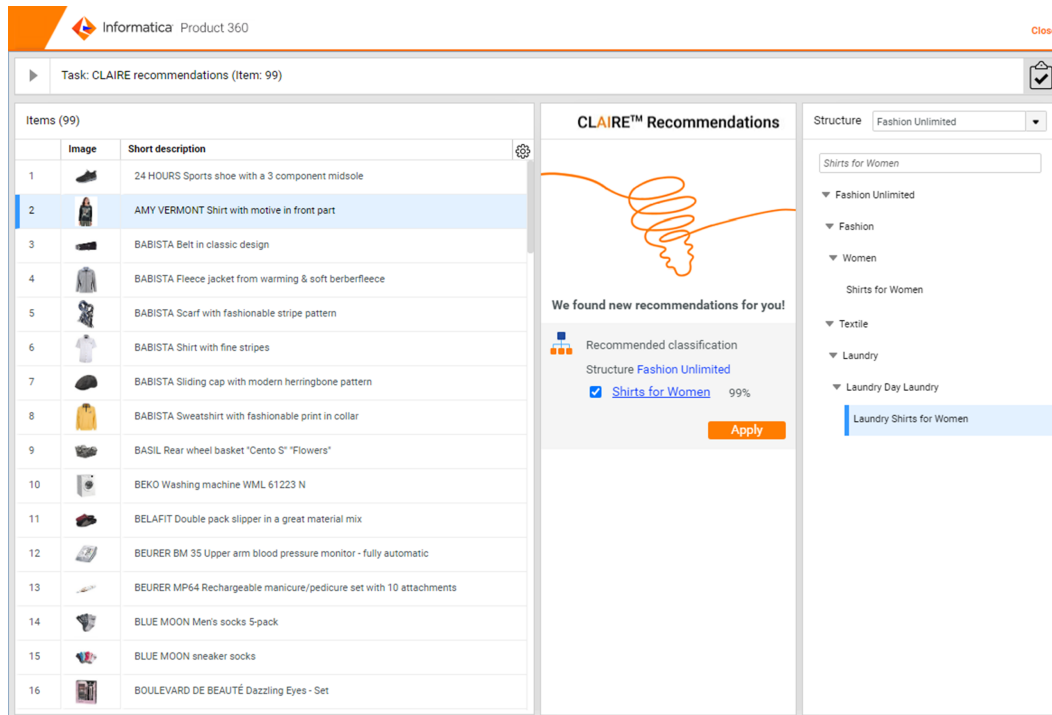
System Wednesday, 11/18/2020 6:00:27 AM (24 hours ago) Initiated by Import Created

Field	Old value	New value
Header data		
GTIN		6719192811016
Item no.		AIN_63824376887
K01		No
Manufacturer		LS
Manufacturer item no.		0LED6H87P
Sold only in kits		No
Status		01 New
Language-specific data (English, Default Channel)		
Short description		OLED 6K HDR Smart TV - 65 inch
Language-specific data (German, Default Channel)		
Short description		OLED 6K HDR Smart TV - 65"

Note: For the platform improvements and migration of Audit Trail, please have a look at the chapter "New Audit Trail architecture" below, also the Audit Trail chapter in the Knowledge Base, which is part of the "Technical documentation (HTML)", contains further details.

CLAIRE™ recommendation services

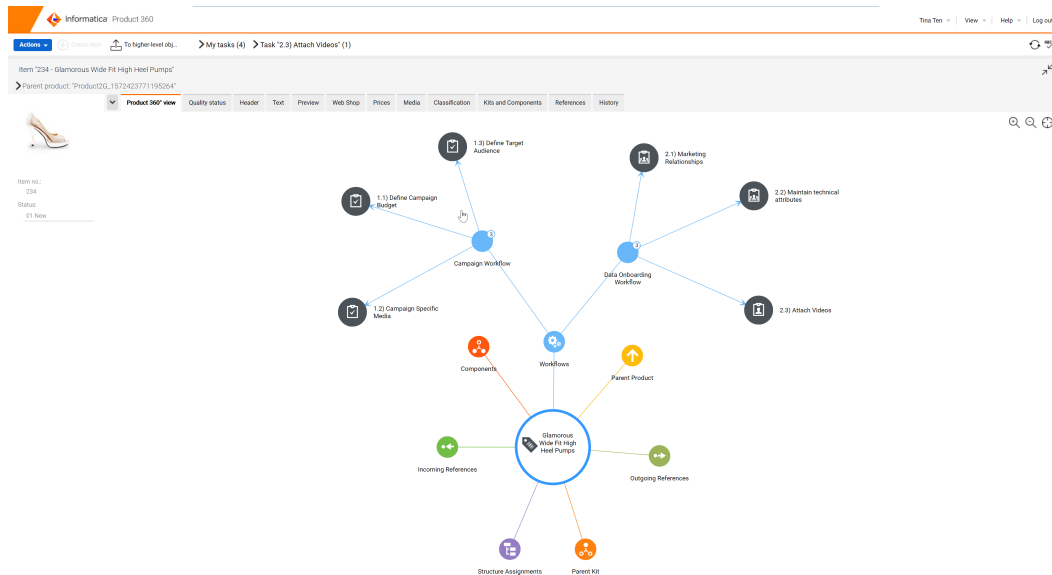
Introducing the latest CLAIRE integration to Product 360. With the CLAIRE recommendation services accelerator, it is now possible to follow a machine learning approach to automatically classify product data into structure groups. The accelerator comes ready built and doesn't require complex manual tuning to get you started. All that's needed is to generate a model from within Product 360 that consists of existing product to structure group relationships. The model can then be used to auto suggest or directly classify new product records. The new "CLAIRE Recommendations" panel for Flex UIs is the perfect assistant of a business user to take fast decisions.






And besides that, the same model can be leveraged in batch via DQ rule configurations including flexible threshold parameters to control if a new record should be classified automatically by the system based on prediction accuracy. Further details on setup and usage can be found in the documentation shipped with the accelerator package of the release.

Workflow task visualization in Product 360° view

To get a holistic picture of the workflow tasks which are currently available for a product, the Product 360° view now includes the capability to see all workflow tasks an object is currently part of. This feature allows the user to check what needs to be done on the current product and navigate to the corresponding workflow tasks right from directly within the Product 360° view.



On expanding the "Workflows" node, it will list all the workflows the selected object is part of. On further expanding the nodes, the user will be able to see all the workflow tasks which contain the current object.


The symbol of the task reflects, if the user is required to take action, as the task is assigned to her  , to her user group  , or if the task is assigned to somebody else  .

On hover, the user is presented with two icons. These icons allow the user to quickly see the details of the workflow task, and to navigate to the task itself.



Focus mode for distraction-free working

This functionality provides a distraction-free workspace when focusing on a singular item. Focus mode is great for working with data-intensive layouts or the Product 360° graph view.

For products, items, and several other views in the Product 360 Web UI a button  in the detail view is used to enter into Focus Mode. When in Focus Mode, the detail view tab area takes up most of the available screen real-estate, hiding other views which are not important while focusing on one item at a time. To enter or exit the focus mode, use the Focus Mode icon in the detail tab or the keyboard shortcut **Ctrl + Shift + F**.

The screenshot shows the Informatica Product 360 interface. On the left is a navigation sidebar with categories like Master catalog, Sample Data Consumer Electronics, and various product types. The main area displays a table of products. The selected product, 'MultyVision 75 ISQ, titanium', is shown in a detailed view below the table. This view includes a 'Product 360' view tab, a header, and a network diagram showing relationships between the product and its components, accessories, and references.

Thumbnail	Item no.	Short description (English)	Status	OTIN	Net customer price (EUR)
	1572423771143087	MultyVision 75 ISQ, silver	01 New	6765579567887	1,999.20
	1572423771143077	MultyVision 75 ISQ, titanium	01 New	457568358	1,999.20
	1572423771143097	Television Soundbar Kit	01 New	456456	2,700.99
	584610316	MultyVision 48 ISQ, titanium	04 Changed	40195888461060	1,999.20
	584610306	MultyVision 48 ISQ, silver	04 Changed	40195888460676	1,999.20
	584610316	MultyVision 48 ISQ, titanium	04 Changed	40195888461648	1,999.20
	584610306	MultyVision 48 ISQ, silver	04 Changed	40195888460658	1,999.20
	583210316	MultyVision 32 ISQ, titanium	04 Changed	40195888321684	1,279.20

While in Focus Mode, it is still possible to navigate between different objects. When exiting the Focus Mode, the previous layout will be restored.

This screenshot shows the detailed view of the 'MultyVision 75 ISQ, titanium' product. The 'Product 360' view is active, displaying a network diagram that illustrates the product's relationships with various components, accessories, and references. The diagram shows a central node for the product, with lines connecting it to nodes for 'Accessories', 'References', 'Components', and 'Parent products'. The 'Accessories' section includes items like 'LCD panel, silver', 'TechniMount, black', and 'HDMI cable, 1.5m'. The 'References' section includes 'Other reference', 'Incoming references', and 'Outgoing references'. The 'Components' section includes 'Parent products' and 'Components'.

Note: To learn more about the new Focus Mode, please have a look at the "Working with Focus Mode" chapter in the web configuration part of the configuration manual.

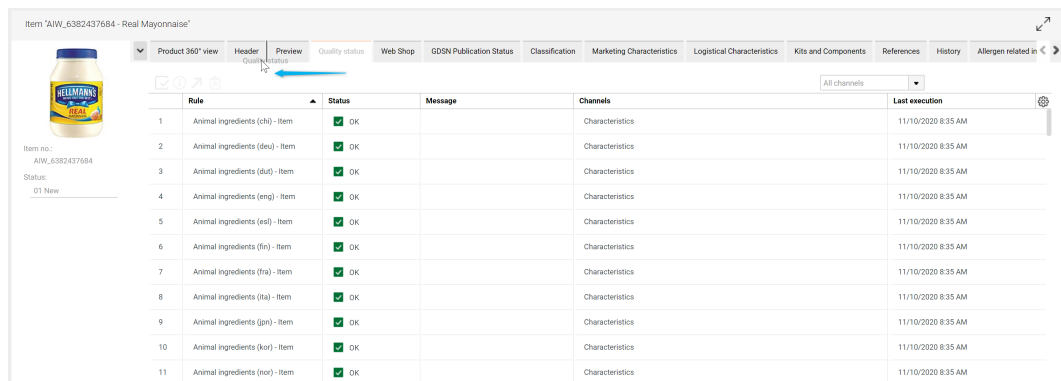
Easily find, arrange, and hide tabs

With this functionality, users can now easily navigate between a large number of detail tabs using the new tab navigator dropdown. Finding and navigating to a particular tab can easily be achieved by either scrolling through the alphabetically sorted list of tabs, or simply typing the name, which filters down the list to choose from.

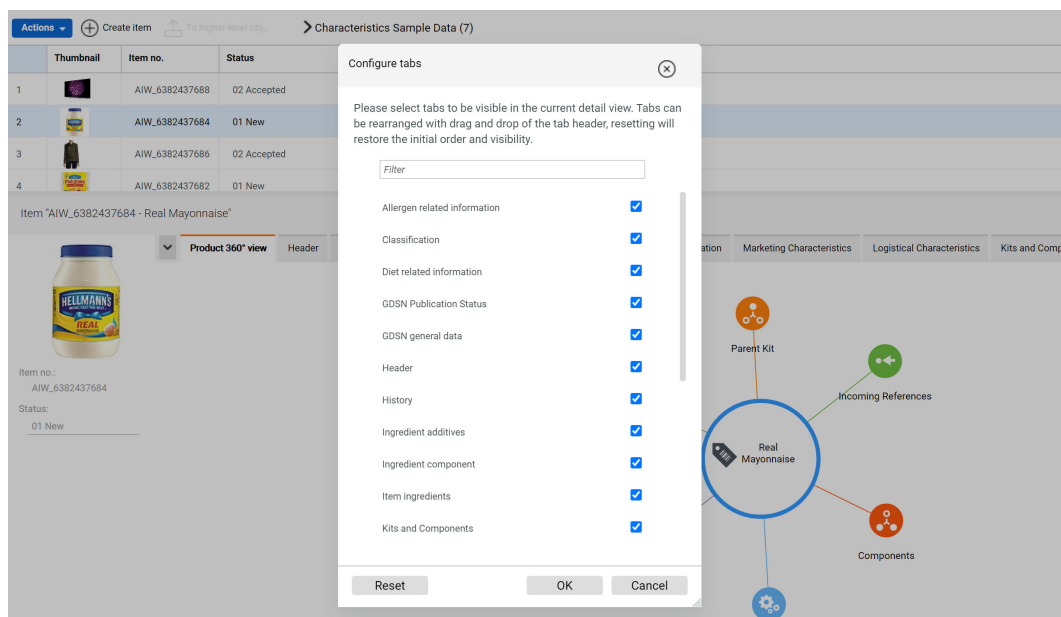


To provide new possibilities to define each user's personal workspace and improve productivity new tab configuration options have been introduced.

The personal order of tabs can be defined via drag and drop of the tab headers (e.g. to arrange more frequently required tabs to the front).



Additionally, the ability to configure the tab visibility in the new "Configure tabs" popup will allow users to hide less frequently used tabs. The initial availability of tabs can still be defined per user group leveraging the "Interface visibilities". User-selected tab positions and visibilities are remembered across their sessions.



Multi-relationship generation on the Web UI

In scenarios where one product should be related to multiple other products of the same type, new functionality has been introduced to increase efficiency.

Users can now select multiple objects while creating references or assignments in the popup window, using the **Ctrl** or **Shift** keys. This has been enabled for the following areas:

- Attach references for products, variants, and items
- Attach components to kits
- Attach items of the product (variants of the product / items of the variant)
- Attach products, variants, and items to a media asset

The screenshot shows the Informatica Product 360 web UI. On the left is a navigation sidebar with icons for Dashboard, Structures, Catalogs, Media, Tasks, Queries, Search, Assortments, and Lookups. The main content area displays a product catalog for 'Sample Data Consumer Electronics'. A table lists items with columns for Thumbnail, GTIN, and Short description (English). Items 18 through 26 are highlighted in blue, indicating they are selected. At the bottom, a message states: 'You have selected 9 objects of the type "Item" as the target reference object'. Buttons for 'OK' and 'OK and close browser window' are visible.

	Thumbnail	GTIN	Short description (English)
17		40195882276068	TechniMount, black
18		40195885431648	TechniLine 40 HD, black / titanium
19		40195885430658	TechniLine 40 HD, black / silver
20		40195885432638	TechniLine 40 HD, black / high gloss black
21		40195885231668	TechniLine 32 HD, black / titanium metallic, Full-HD
22		40195885320690	TechniLine 32 HD, black / silver metallic, Full HD
23		40195885322670	TechniLine 32 HD, black / high gloss black, Full HD
24		40195883251118	TechniLine 32 HD incl. CI + / 32" FullHD / Single HDTV MultiTune...
25		40195883251040	TechniLine 32 HD incl. CI + / 32" FullHD / Single HDTV MultiTune...
26		40195883251286	TechniLine 32 HD incl. CI + / 32" FullHD / Single HDTV MultiTune...
27		40195880385786	TechniControl, black
28		40195881385372	TechniControl Plus, silver

Create reference

Complete the fields required for reference creation or click [here](#)

Reference type: *

Essential spare part

Referenced object type: *

Item

Referenced object number: *

0003/4520 × 0005/4520 × 0000/4520 ×

0002/4563 × 0001/4563 × 0000/4563 ×

0033/4444 × 0007/4536 × 0005/4536 ×

Number:

1

Sequence:

OK

Cancel



☐ Create another reference

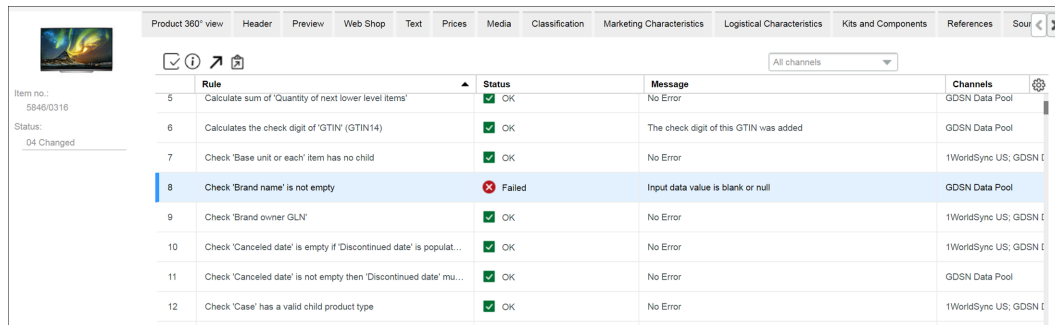
DQ-driven navigation to the source of issues

The quality status view provides an important overview of the quality of data for the current product. In order to let the user take direct action on an identified issue, easy ways to get to the relevant Flex UI or corresponding detail tab have been introduced.

If the user has selected a rule, two buttons will be enabled, in case the respective user interface has been configured for this rule.

Buttons for navigation are:

- Navigate to the tab . On clicking this button, the user gets navigated to the configured detail tab.
- Navigate to Flex UI . On clicking this button, the configured Flex UI template is opened in the new browser tab.



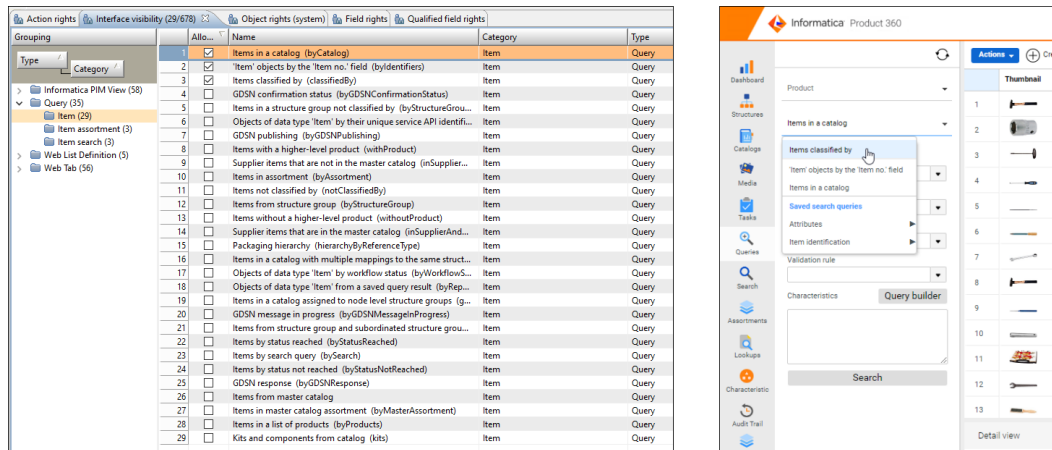
The screenshot shows the 'Product 360' view interface with a 'Quality Status' tab selected. On the left, there is a sidebar with 'Item no.: 5846/0316' and 'Status: 04 Changed'. The main area displays a table of DQ rules. Rule 8, 'Check 'Brand name' is not empty', is highlighted in blue and shows a 'Failed' status with the message 'Input data value is blank or null'. The table also shows other rules with 'OK' status and 'No Error' messages.

Rule	Status	Message	Channels
5 Calculate sum of 'Quantity of next lower level items'	OK	No Error	GDSN Data Pool
6 Calculates the check digit of 'GTIN' (GTIN14)	OK	The check digit of this GTIN was added	GDSN Data Pool
7 Check 'Base unit or each' item has no child	OK	No Error	1WorldSync US; GDSN I
8 Check 'Brand name' is not empty	Failed	Input data value is blank or null	GDSN Data Pool
9 Check 'Brand owner GLN'	OK	No Error	1WorldSync US; GDSN I
10 Check 'Canceled date' is empty if 'Discontinued date' is populat...	OK	No Error	1WorldSync US; GDSN I
11 Check 'Canceled date' is not empty then 'Discontinued date' mu...	OK	No Error	GDSN Data Pool
12 Check 'Case' has a valid child product type	OK	No Error	1WorldSync US; GDSN I

Note: For more details on how to configure this relationship between DQ rules and corresponding UI elements please consult the "Web Configuration" chapter within the configuration manual.

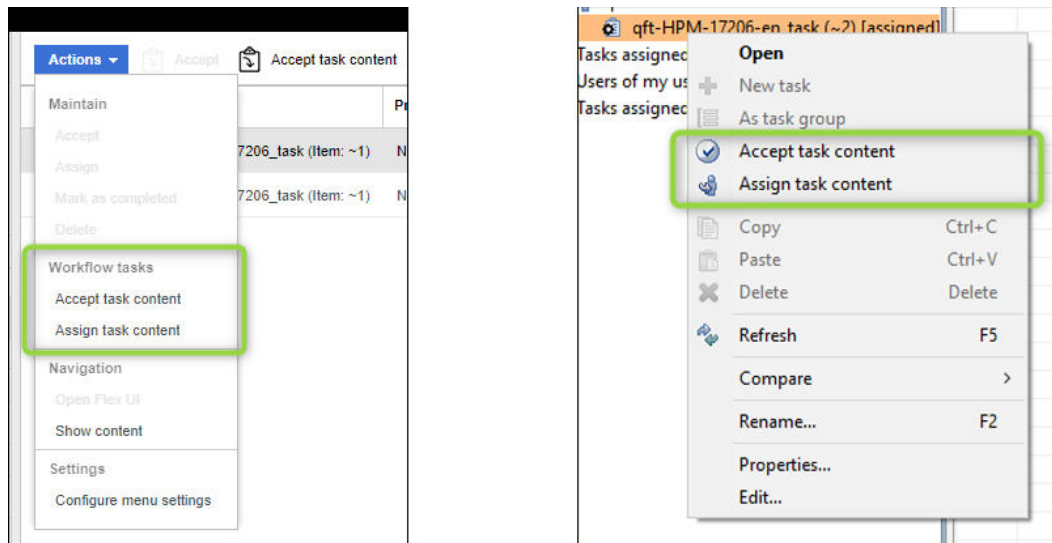
Query visibility configurable via interface visibilities

By popular demand Product 360 is finally capable of hiding individual queries per user group visibility adjustments. In order to reduce the complexity within the queries dropdown as well as for more flexible user configuration setups new interface visibility options for such queries/entity reports have been introduced. The below example shows a significant reduction of queries a user of this group is allowed to see on the user interface later on:



Workflow tasks allow to assign and accept all items in one go

To further improve the user experience working with workflow tasks, a new option to assign or accept all items from the workflow task in one go has been introduced. If the user selects a workflow task and clicks on the "Accept task content" menu entry, all objects which are currently contained within the task will be accepted. It's not necessary anymore to go into the task and select all objects manually. By using the menu entry "Assign task content" a user can furthermore directly assign all objects of a workflow task in one go and on task level already without the need to open the task.



Note: For a better user experience and overall user guidance, the possibility to change the assignee of a workflow task has changed holistically to this new paradigm which means the selection of an assignee in the detail tab is not possible anymore.

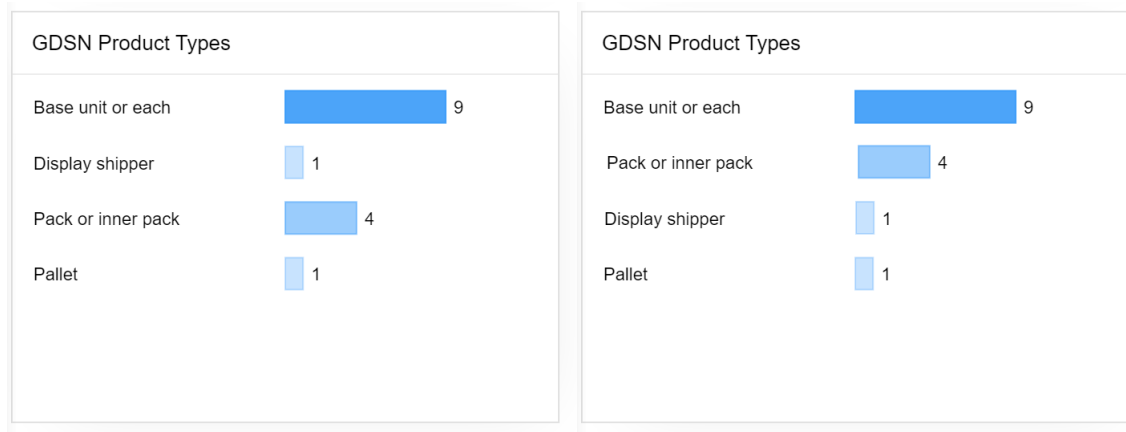
Remember last used web search index

The last used web search index is now always stored in the browser's session cookie. Therefore, when the user logs into the application, the last selected index will be automatically prepopulated in the indices drop-down for improved usability. No more selecting the same index every time a user goes back into the web search section to lookup some product data.

Sort bar charts by the total number of objects

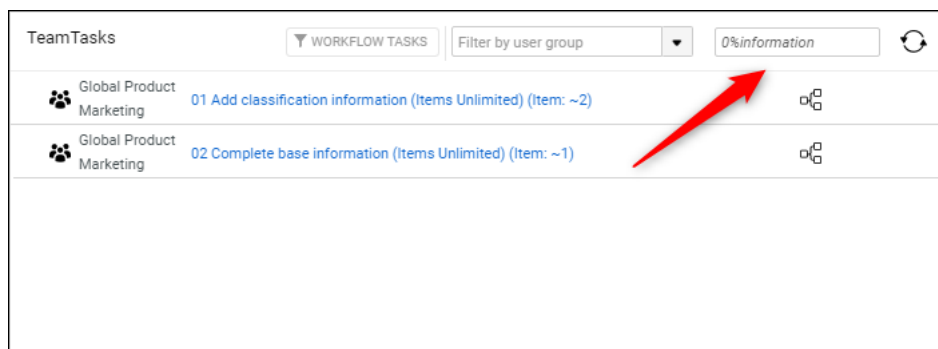
Two new parameters for the bar chart dashboard widget have been introduced. With this release, it becomes possible to decide whether a bar chart should be sorted alphabetical by its values (default) or rather based on the size of the bars itself.

Default appearance vs. newly introduced option for an adjusted look and feel:



Using wildcards to filter in task widgets

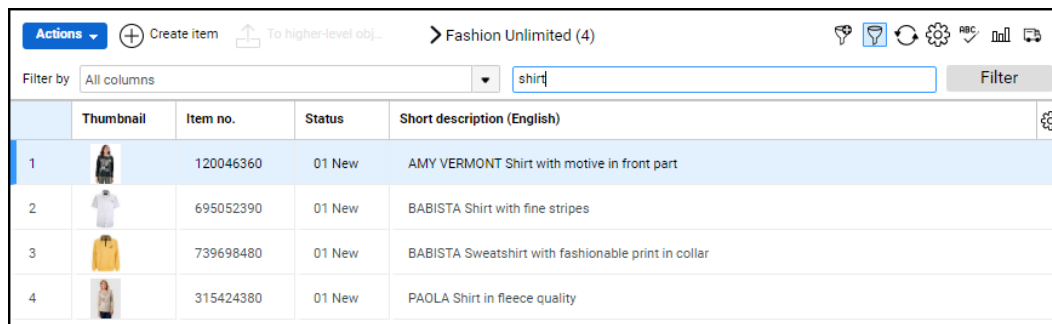
A new parameter has been introduced to the task widgets for dashboards. With that, it becomes possible to perform a wildcard-based search for task names within the widget itself. A nice and handy addition to filtering down a long list of related task names boosting the productivity of business users:







Note: The variables supported for wildcard search are "%" (any set of characters in between) and "_" (one character in between). Using backslash will escape the wildcards and include the actual value of "%" or "_" into the filter search.

Option to filter a list of products by All columns as default

Sometimes small things matter quite a bit. Hence this release allows you to change the default selection for the table filter in the web UI to "All columns". With that business users save a click when filtering tables for certain values across multiple fields in one go.



Filter by All columns <input type="text" value="shirt"/> Filter				
	Thumbnail	Item no.	Status	Short description (English)
1		120046360	01 New	AMY VERMONT Shirt with motive in front part
2		695052390	01 New	BABISTA Shirt with fine stripes
3		739698480	01 New	BABISTA Sweatshirt with fashionable print in collar
4		315424380	01 New	PAOLA Shirt in fleece quality

If you want to change this to be the new default you can add the following to the `plugin_customization.ini` file:

plugin_customization.ini

```
# -----  
#  
# default 'Filter By' to 'All Columns' in top grid for items when using Filter in Web UI  
# -----  
#com.heiler.ppm.web.common/quickSearch.allColumns.preSelected = false
```

Note: The decision not to activate this setting by default is due to the fact that especially in high data load scenarios the performance cost searching across all columns at once is not always best choice.

CHAPTER 3

Enterprise Scale

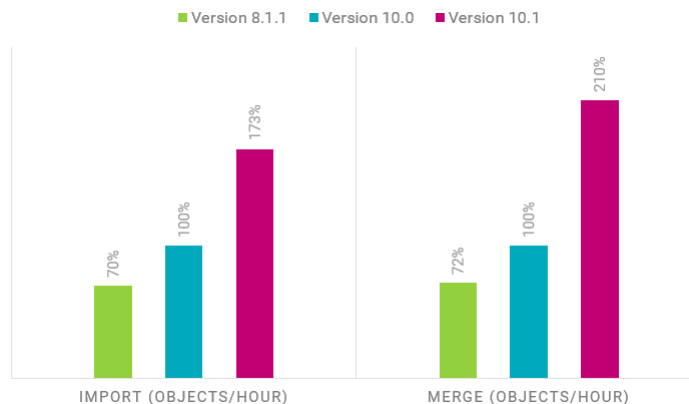
This chapter includes the following topics:

- [New Audit Trail architecture, 23](#)
- [Enhanced batching, 24](#)
- [Enhanced trigger setup, 26](#)
- [BPM workflow examples, 27](#)
- [Caching improvement, 29](#)

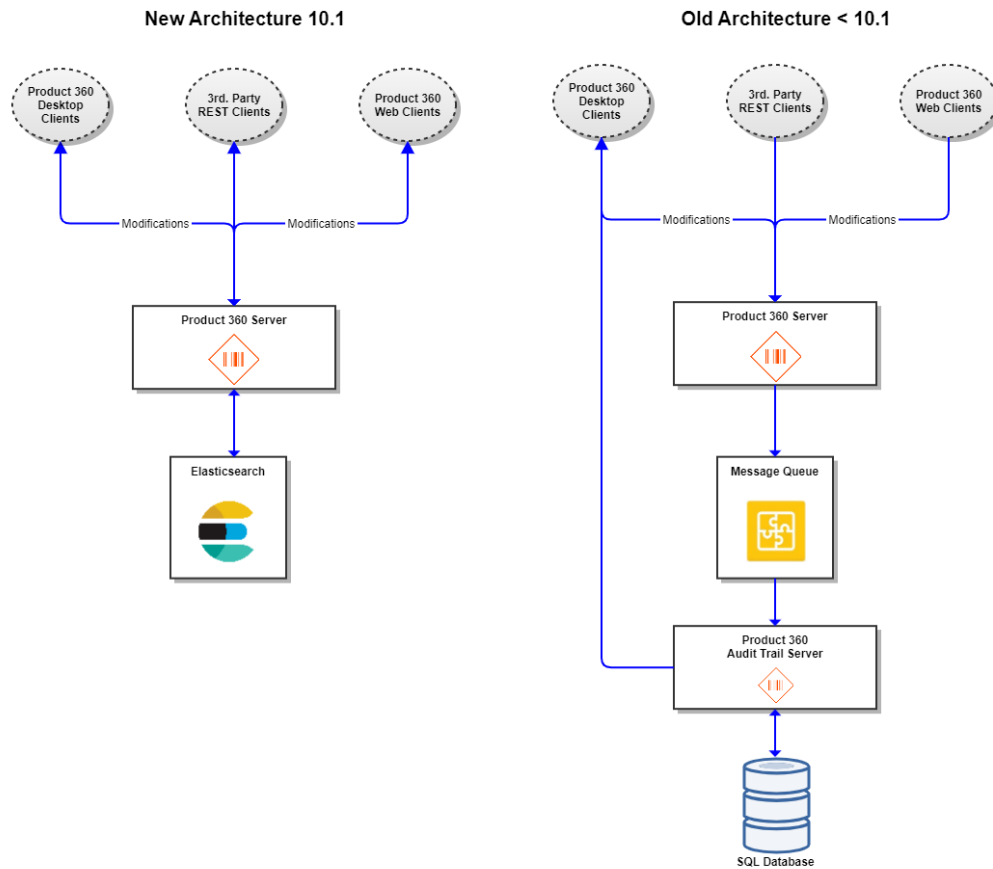
New Audit Trail architecture

In an ever-growing world of data, the requirements for storage, memory and computing power is increasing exponentially. This growth is not just due to the data size itself; it has an even greater impact considering the number of data modifications coming with it. Hence, the architecture of the Audit Trail module has been transformed to the next level. With Product 360 10.1, Audit Trail data will no longer be stored in a resource-intensive relational database but in a lightweight document storage leveraging Elasticsearch.

With this approach, the performance of production systems increases significantly while the hardware requirements shrink down. The following chart indicates key results of benchmark tests that have been performed to compare the last releases with activated Audit Trail to each other:



The following chart gives an overview on the revised architecture and reduced complexity when it comes to storing audit log data with Product 360:



Note: The previously existing Audit Trail package is not part of the software shipping anymore. Old audit data can be migrated into the new Elasticsearch persistence. Details on the technical migration of old audit data can be found in the migration manual shipped with the release.

Enhanced batching

With the previous release already the message queue communication for data quality rule executions and business process management intercommunication has been introduced to increase system robustness in high load scenarios. This has been enhanced to also include the support of batching for DQ and merge processes now, to further improve performance especially in mass data and high load operation scenarios.

Data quality batching

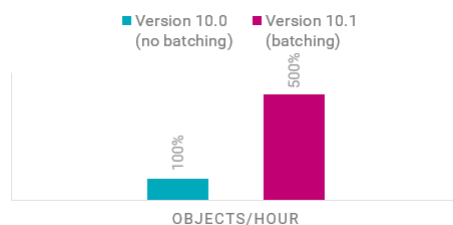
Until the current release data quality message queue requests were processed one at a time. In order to have a better performance and resource utilization, these requests are now batched automatically within the same message queue. This leads to a performance improvement up to a factor of 5; especially in scenarios where

many single requests to DQ are sent in a very short period of time. E.g. an item change event that was executed on thousands of single objects.

- Without batching, a sample set of 20k item records is taking approximately 25 minutes to complete the execution for a rich set of data quality rules if each item is triggered for execution individually (e.g. on mass item change events).
- With batching, the same set of 20k item records executing the same data quality rules, completed in our benchmark tests within approximately 5 minutes.

Results from the test scenario above:

Operation	Prior version no batching	10.1 with batching	Improvement
Sample data set 20k item records	25 minutes	5 minutes	5x



There is no change to the structure of the data quality request and response messages. The setting for the threshold can be defined in the `plugin_customization.ini`:

`plugin_customization.ini`

```
# -----  
# Message Batch preferences  
# -----  
# Specifies the size(number of items) of data quality message batch  
# Default: 500  
#dataquality.message.batch.threshold=500
```

Merge batching

Similar to DQ batching Product 360 10.1 enables the batching of merge processes. This especially increases performance in scenarios where many single merge requests are sent within a short period of time (e.g. on the last step of an enrichment workflow to build the golden record in the master catalog).

Note: Merge requests written to the Service API message queue or direct REST calls will still be processed as single requests. Only merge requests via batching queue will be considered.

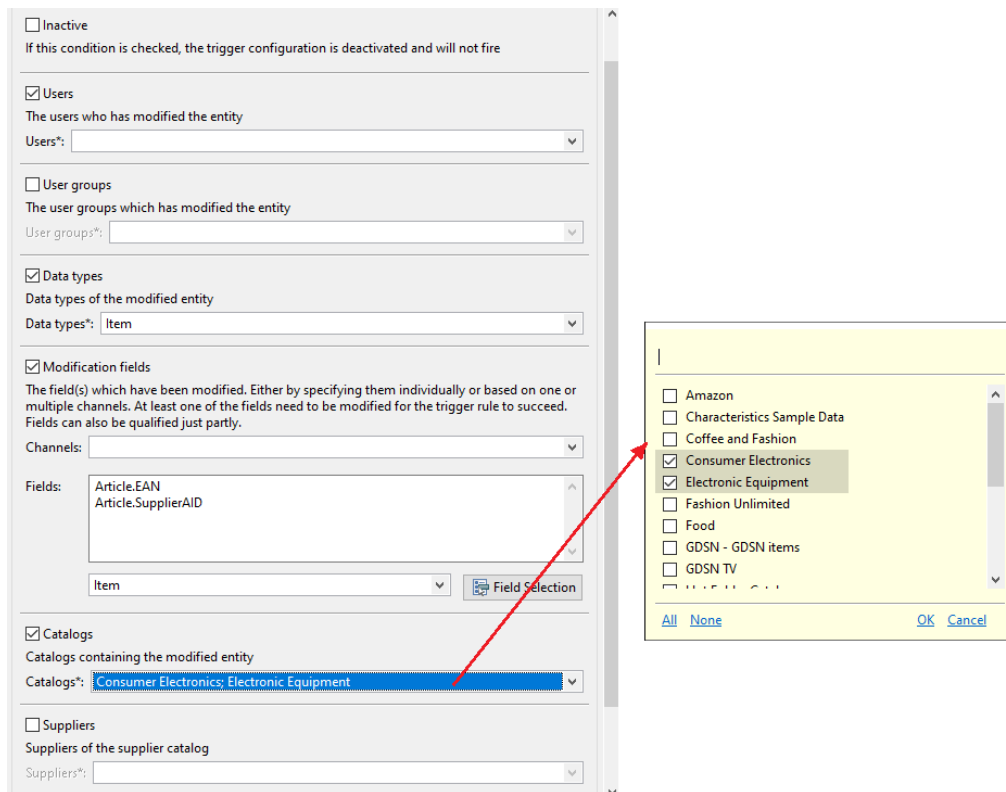
Finish (approve) trigger batching

After batching of DQ and merge processes the next logical step in this improvement initiative was the batching of finish events for workflow tasks. This ensures a much better responsiveness of the application when users finish or approve a bunch of objects within a workflow task in one go. Instead of sending e.g. 1,000 individual finish messages only 1 finish message which contains all 1,000 objects will be sent. This especially saves resources on the BPM server but also within the message queue itself.

Enhanced trigger setup

With this release, the definition of triggers for data quality rule executions as well as for business process management has been enhanced and simplified. There are 4 major improvements in the UI configuration which lead to better administration and productivity in the setup of the system:

1. A multi-selection for the parameters to set up a single trigger configuration (e.g. for multiple catalogs in one go):



2. More data types are available to choose from.
3. A field selection dialog for the modification fields selection to support a convenient setup without the need to worry about technical syntax definitions.
4. An active flag for trigger configurations to be able to set them (temporarily) to inactive without the need to drop the whole configuration entirely from the setup of the server.

Besides these enhancements, a completely new trigger type for workflow setups has also been introduced. The new "Entity deleted" trigger event gives, for example, the option to inform third party systems like online stores via a workflow or direct queue communication to trigger corresponding updates.

Additionally, the payload for BPM triggers can be selected. It can be decided if only the meta information should be transferred (user, timestamp, affected fields), or also the old and new value should be included in the payload. This can be leveraged to keep downstream systems in sync with data changes.

Caution: Note that the payload format has changed and may require adaptations. Please find further information in the "Trigger Payload" chapter of the configuration manual.

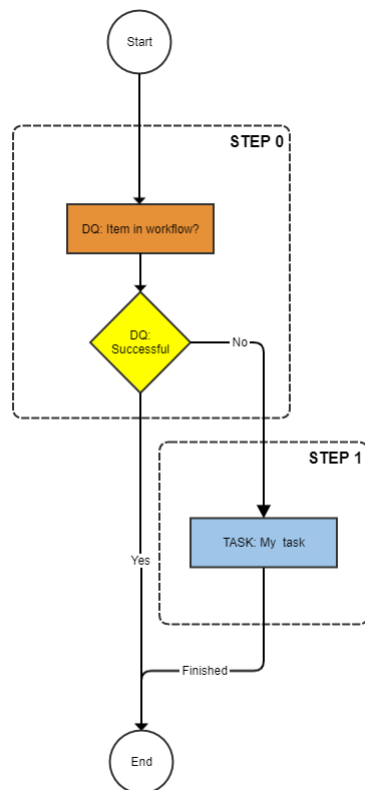
BPM workflow examples

The accelerator package of Product 360 10.1 includes a new business process management project called "StepWorkflow" providing reference templates for workflow implementations. It comes with the following major benefits:

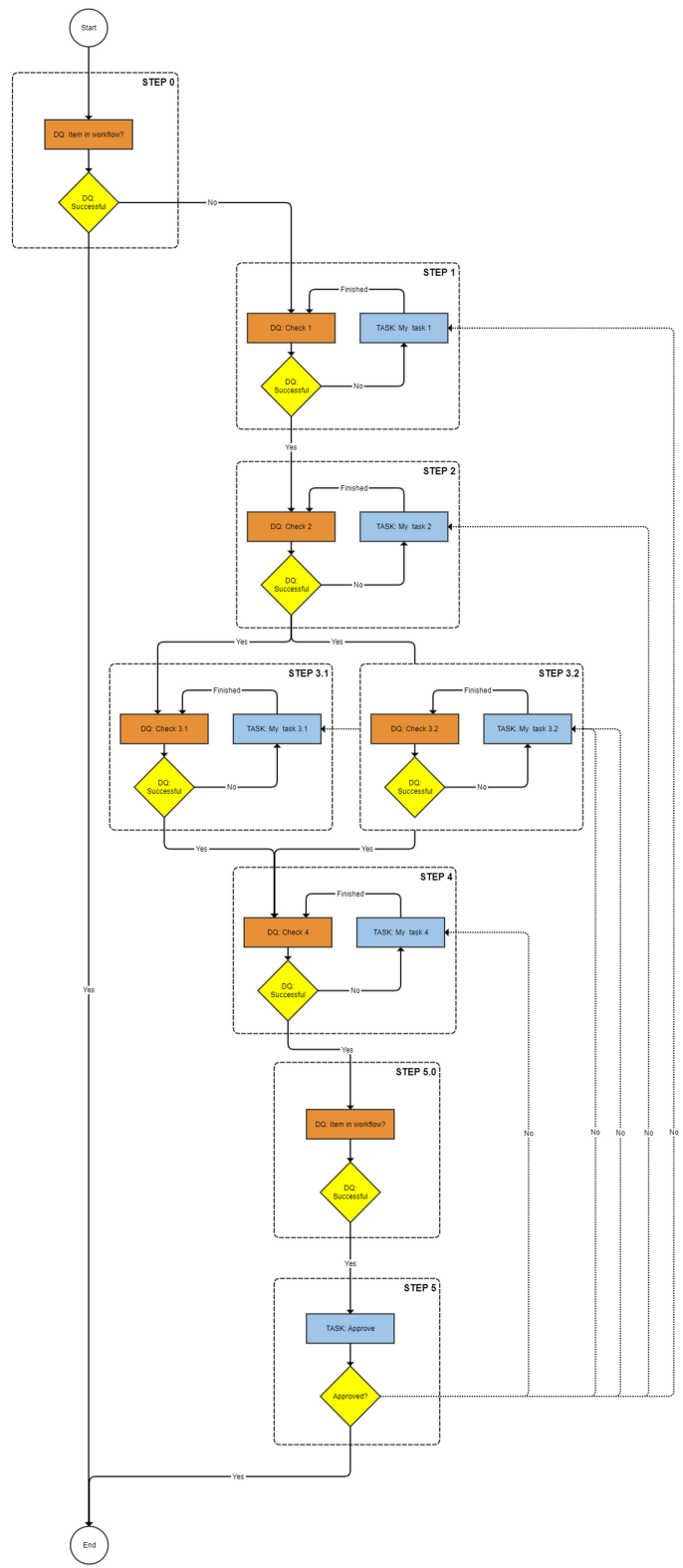
- The complexity of designing workflows has been significantly reduced following an easy XML definition approach
- The development of new workflows is much more structured
- It becomes a lot easier to troubleshoot workflow designs
- The sample project contains tested and Informatica approved re-usable code for further adjustments
- The design reduces the amount of individually running processes on the BPM server significantly
- The templates enable batching by using the message queue built into their design right from the very start

So overall the "StepWorkflow" samples should enable you to rapidly design business-case-specific workflows with workflow tasks, Flex UIs, data quality checks and approve tasks based on a simple XML definition. The accelerator package also includes an example project with XML definitions of simple to more complicated workflows. These examples can be used as starting point for project specific process designs in production environments:

Simple example as part of the project (1 task)



More complex example as part of the project (5 tasks with DQ checks, parallel and sequential, and a final approval step)



Caching improvement

New caching technology has been introduced to allow the Product 360 server to cache more objects using the same memory footprint as in earlier releases. This results in overall better system performance. A new configuration file called `CacheConfig.xml` has been made available with that. The shipped default cache configuration should fit most customers deployment scenarios. If you have adjusted the settings via the existing `ehcache.xml` for caches with prefix `dataGraph`, it is recommended to monitor the system and the cache hit rate to approximate towards an optimum setup.

CHAPTER 4

Platform Enhancements

This chapter includes the following topics:

- [Object API , 30](#)
- [Swagger UI, 31](#)
- [Application monitoring and metrics, 33](#)
- [Enhancement of the "unit" data model, 34](#)
- [Channel specific references, 35](#)
- [Supporting wildcard characters in item search, 35](#)
- [XSLT transformation step for file-based exports, 36](#)
- [Higher precision for decimal fields in data quality rules, 36](#)
- [GDSN accelerator enhancements, 37](#)
- [Auto-deletion of empty media asset attachment containers, 37](#)
- [Logging improvements, 38](#)
- [Supplier Portal mass media asset upload \(Cloud only\), 39](#)

Object API

Up until now, single item driven integration scenarios required multiple List API calls followed by substantial effort to assemble the single item entity object from combining the relevant sub-entity information. With Product 360 10.1, a new Service API resource has been added which is capable of returning a single entity item, in a full hierarchical form with all its sub-entities and most importantly: in one single call. The Object API significantly improves the performance in integration scenarios requiring the full data of a single item by leveraging the use of in-memory caches optimized for single item retrieval, as opposed to the return of a large number of items by the List API.

URL pattern	/object/{entity-identifier}/{entity_item}
Method	GET
Media types	application/json, application/xml
Example	/rest/V1.0/object/Article/4711@1 /rest/V1.0/object/Article/'myItem'@'myCatalog'

Permissions

- The user needs to have the `READ` object permission for this API. In case she doesn't, the API returns `HTTP 403` (forbidden).
- The user needs to have the `READ` field permission for a field. If she doesn't, the field will not be part of the data element, but no error is returned either granting flexibility in responses.
- The user needs to have the `READ` permission for qualifications (e.g. for `language = English`). If she doesn't, sub-entities which are qualified for this will not be part of the data element, but no error is returned either granting flexibility in responses.

Note: Note that the initial introduction of the Object API only caters for read use cases. Writing data back into Product 360 using REST methods currently still requires making use of the List API.

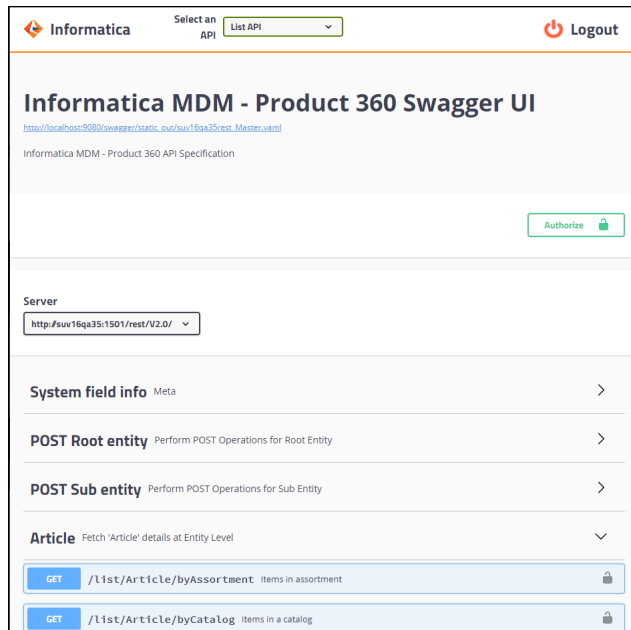
Swagger UI

By means of the REST Service APIs, Product 360 provides a set of powerful services that allow the read and write to almost any data described by the repository. However, in order to harness the true power of these functionalities, extensive Service API knowledge is sometimes needed to understand the parameters and metadata related to it.

With the release of Product 360 10.1, a dedicated Swagger UI utility that translates in-detail the full capabilities of the List API as well as the Management API is provided. The web-based accelerator offers a complete suite for interacting with these resources and their operations, thereby increasing the productivity in client implementations. With the aid of the Swagger UI, business users and workflow designers can quickly adopt the List and Management APIs by interacting with the visually rendered auto-generated OpenAPI specification which includes all repository-specific parameters as well. And with the one-step simple plug and play deployment, Swagger UI is available on Windows and Linux platforms in both standalone and service modes.

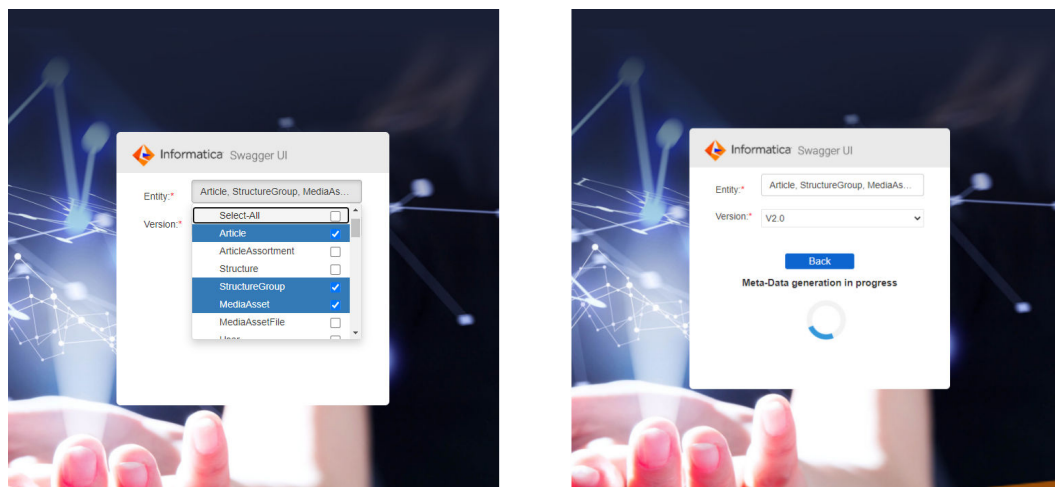
Visual scaffolding for server stubs

The automatic visual documentation of the Service APIs makes client-side implementation and consumption convenient.



Customer-specific data model API specification and metadata generation

The Swagger UI generates customer-specific entity definitions, which can be rebuilt anytime and as needed if subsequent data model changes apply. And an auto generated OpenAPI specification, with dynamically built metadata information, offers the most powerful and easy way to take full advantage of the Service APIs.



Intuitive user experience and integrated orchestration

Field lists and operations, auto generated from the metadata engine, assist users to interact with the Service APIs without having to read manuals and research precise Service API operations or syntax definitions any longer. Furthermore, the Swagger UI publishes Service API's in CURL and REST formats which can be integrated into project implementations and workflow setups.

GET

/list/Article/byCatalog

Items in a catalog

Returns all items in the specified catalog. The master catalog (default) or any supplier catalog may be specified here.

Parameters

Cancel

Name	Description
catalog string (query)	The catalog for which the items are to be determined
revision string (query)	Must exist
compareRevision string (query)	Items that have changed have to be displayed.
dataQualityStatus string (query)	Used as the filter.
characteristicValueFilter string (query)	Characteristic value filter
channel string (query)	The channel to be used as the filter.

Execute

Clear

Responses

Curl

```
curl -X GET "http://suvi6qa35:1501/rest/V2.0/list/Article/byCatalog?fields=Article.AclFlag,Article.AclProxy,Article.CatalogProxy,Article.ContentUnit" -H "accept: application/xml" -H "Authorization: Basic cmVzODp0ZWlsZkI="
```

Request URL

```
http://suvi6qa35:1501/rest/V2.0/list/Article/byCatalog?fields=Article.AclFlag,Article.AclProxy,Article.CatalogProxy,Article.ContentUnit
```

Server response

Code

Details

200

Response body

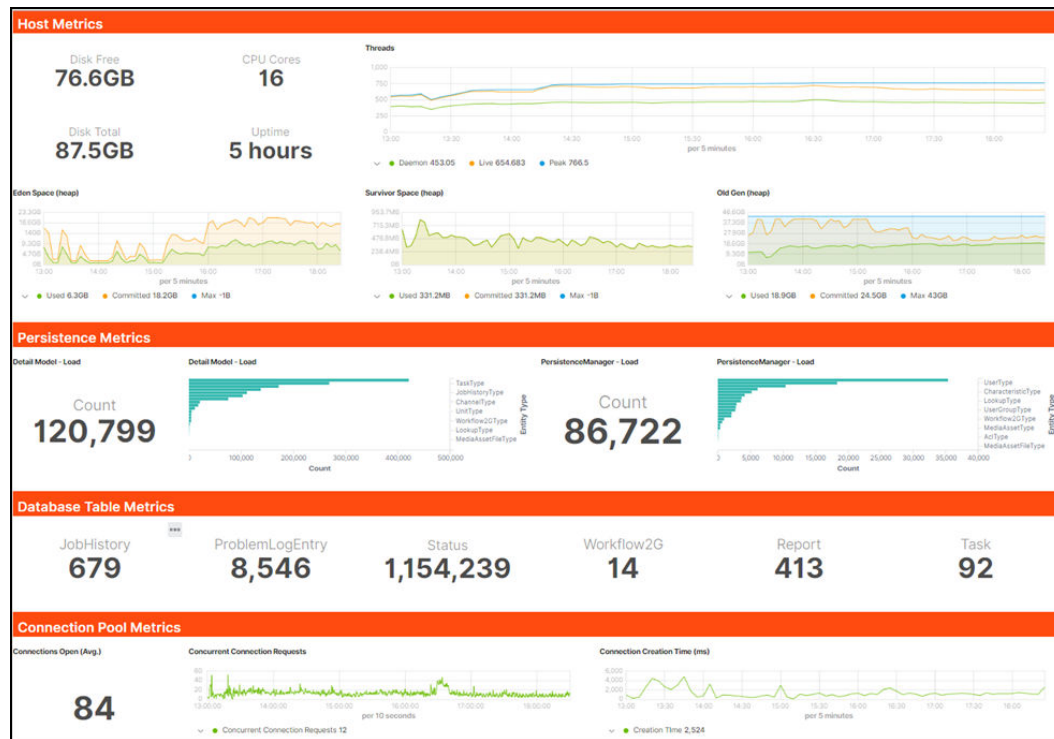
```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<entityItemTable>
  <cacheId>no-cache</cacheId>
  <entityIdentifier>Article</entityIdentifier>
  <totalSize>63</totalSize>
  <startIndex>0</startIndex>
  <pageSize>100</pageSize>
  <rowCount>63</rowCount>
  <columnCount>8</columnCount>
  <columns>
    <rows>
      <row>
        <object>
          <id>1301</id>
          <entityId>1000</entityId>
        </object>
        <values>
          <value xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xsi:type="xs:string">
</value>
          <value xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xsi:type="xs:string">
</value>
          <value xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xsi:type="xs:string">
</value>
          <value xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xsi:type="entityItemReference">
<id>1</id>
<entityId>2000</entityId>

```

Application monitoring and metrics

With the inbuilt Micrometer instrumentation façade, Product 360 10.1 delivers over 150 system and application-specific dimensional metrics for actionable health insights and reporting of the environment. With vendor-neutral meters, it is now possible to independently provision an application performance

monitoring system of your choice. Additionally, Product 360 10.1 ships with an accelerator that includes predefined Elastic Kibana based reference dashboards providing an overview of all key metrics for application monitoring - ready to use and adopt as needed.



Enhancement of the "unit" data model

The data model entity of type unit has been refactored to allow for export, import and API based access from now on. This further supports daily operations within Product 360 for data integration use cases and also forms up a major benefit when it comes to transferring data between individual deployments.

The following list describes the main enhancements in more detail:

- A mandatory, globally unique code has been introduced which also acts as the external identifier of a unit. Migration scripts will use the so-called "System Units" unit system's codes for this. In case duplicates are recognized during migration, they are named accordingly. Please see the Migration Guide for further details.
- All unit system-specific fields are renamed to "Alternative ..." (e.g. "Alternative Code", "Alternative Symbol", etc.)
- Unit fields have been adjusted and correct categories are assigned to the fields
- The generic import has been activated for the unit entity
- The generic List API has been activated, hence units can now also be created and adjusted via the Service API
- Export data providers have been adjusted to support the unit root entity and all its child entities (existing templates might need to be adjusted, please see the Migration Guide for details)

Caution: Note that in order to realize this feature the release comes with integrated update scripts that will adjust your existing units in the system. It is strongly recommended to perform a data backup before and revise all units maintained in the system after the upgrade for consistency.

Channel specific references

The data model has been enhanced to allow the maintenance of channel-specific references for products, variants, and items. This includes all merchandizing references between products, variants, and items and gives more context to the reference type. Enabling for example, the setup to have a "cross-sell" reference only valid in context of a certain channel like the online store.

Technically this has been realized by adding to the `ArticleReferenceType` repository entity type and all custom entities which are based on it an additional logical key "Channel". By default, this feature is disabled to be compliant with older versions and the logical key for the channel is set to "Default channel."

To enable it, the repository needs to be adjusted. For details please take a look at the technical documentation package under the chapter "Channel specific references" available in the "Installation and Operation" ZIP file.

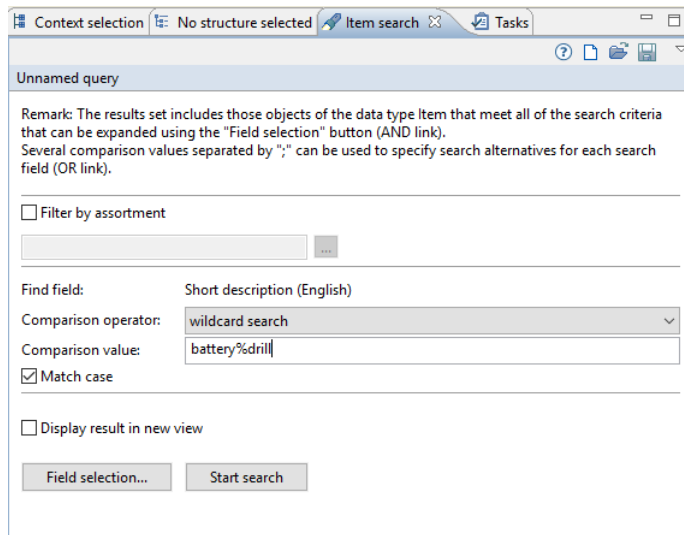
Supporting wildcard characters in item search

Note: Changed default behavior

Since 8.1.1 HF5 as well as 10.0 HF1 and now also with 10.1 the behavior of wildcards in searches has changed. From now on a new operator "wildcard search" is provided, which will allow a user to use wildcard characters in the search query. All other comparison operators will not support wildcards any longer.

The new comparison operator "wildcard search" comes with the following main capabilities:

- It allows 2 wildcard characters '%' and '_'
- Underscore (_) - returns results that contain any character in the position of the underscore
- Percentage (%) - returns results that match the pattern of the search string
- Using backslash (\) before the wildcard character will make it behave like a regular character (e.g. "%\" and "_")



XSLT transformation step for file-based exports

If XML based file exports have to be transformed into another format or structure, it is now possible to use the "XSL Transformation" post-processing step. This step can execute an XSL transformation through a configurable style sheet. The exported file will be transformed and replaced by the new file(s).

With that, another great addition to the powerful and flexible export engine of Product 360 has been added to the set of standard capabilities allowing for flexible transformations to accommodate target system requirements.

Higher precision for decimal fields in data quality rules

From now on it is possible to use decimal values inside data quality rules with higher precision. A precision of up to 28 digits per field can be leveraged now. High precision is disabled per default and can be enabled for all data quality rules or just for a set of specific data quality rules.

The setting for high precision can be found in the `plugin_customization.ini`:

`plugin_customization.ini`

```
# -----  
# Data Quality Settings  
# -----  
#  
# Specifies whether or not to use high precision for decimal values.  
# Precision loss occurs if the decimal value has a precision greater than 15 digits.  
# High precision can be enabled for all data quality rules or just for specific data quality  
# rules.  
# Example for a specific rule: com.heiler.ppm.dataquality.server/  
dataquality.executor.useHighPrecision.Informatica_PIM_Content_Custom_Rules_Check_HighPrecisionRule  
= true  
# Default: false  
#com.heiler.ppm.dataquality.server/dataquality.executor.useHighPrecision = false
```

Caution: Existing custom rules, which use more than 28 digits, have to be adjusted so that all digits are reduced to 28-digit precision. This must be done prior to the Product 360 server update. However, the out of the box rules shipped with the software, do not require any manual attention.

GDSN accelerator enhancements

The GDSN accelerator is now fully compliant with GDSN 3.1.12. For details please take a look at the "GDSN Migration Guide for version 3.1.12" documentation in the accelerator package. In case of using the food and beverage extension, please take a look at those changes as well, because there are some which could affect your current installation. Some additional enhancements include:

- An XSLT transformation, which splits export files in order to have not more than 100 items in a single catalog request
- The sub-entity deletion during import feature is enabled for publication status
- Import mappings to import the publication status are provided (1WorldSync source only)
- A pre-import step is provided which dispatches the different messages and selects a corresponding import mapping
- Two new import functions "`findOrCreateCustomer`" and "`findOrCreateSupplier`" that create imported customers or suppliers in the system if they do not exist yet have been added

Auto-deletion of empty media asset attachment containers

With this version, we modified the behavior regarding empty media asset attachments. They will be deleted automatically if no asset is in the container anymore.

- The new behavior is active for all object types which can be assigned with a media asset document (e.g. item, product, variant, and structure group).
- The new behavior is also active for delete actions via REST calls.

- If a media asset attachment is automatically deleted, all its sub-entities including `MediaAssetLang` and its fields (e.g. English description, German alternative text, etc.) will be deleted as well.
- It is still possible to create an empty media asset attachment in the "Multimedia attachment" view of the Desktop UI.
- If Media Manager is used, media asset attachments will be deleted, once the last media asset document with quality `originalimage` has been deleted, which leads to the deletion of all other derivative media asset documents automatically. No changes on this behavior.

The feature allows for better control and cleanups working with media assets in general and prevents the presence of "ghosted" media asset attachments in the system.

Note: It is possible to re-activate the previous behavior by modifying this setting in the `plugin customization.ini` file:

```
com.heiler.ppm.mediaasset.core/removeAttachmentWhenLastDocumentIsRemoved.enabled =true/false
```

Logging improvements

Starting with 10.0 HF1 logging in Product 360 has been updated to run with `log4j2`. This means that a number of configuration files have been changed to support the newer version of `log4j`. Besides changes made in `log4j` configuration files, the `wrapper.conf` file needs to be adjusted as well in order to configure the path to the new `log4j2.xml` configuration. The following code snippet is an example for the Control Center component:

`wrapper.conf`

```
# Old configuration to specify the path to log4j.xml
wrapper.java.additional.11=-Dlog4j.configuration=file\: "%CLUSTERIX_CONFIGURATION_DIR%/log4j.xml"

vs.

# New configuration to specify the path to log4j2.xml
wrapper.java.additional.11=-Dlog4j2.configurationFile=file\: "%CLUSTERIX_CONFIGURATION_DIR%/log4j2.xml"
wrapper.java.additional.12=-Dorg.apache.commons.logging.LogFactory=org.apache.commons.logging.impl.LogFactoryImpl
```

Please note that the variable to the `log4j` path has also changed inside the `log4j2.xml` file. Instead of using `${pim.log4j.path}`, you now need to use `${sys:pim.log4j.path}` to access the `log4j2` path.

Note: If you use the SDK, a new version of Eclipse (2020.06 or higher) is recommended. If there are still dependencies to the old `org.apache.log4j` plugin, you should create a new Eclipse workspace.

Product 360 Server and Desktop Client

The Product 360 Server and Desktop Client now store the logging configuration inside their new `log4j2.xml` files, replacing their old `log4j.xml` files. The location of these files has not changed.

Control Center

The Control Center logging configuration is also stored inside the `log4j2.xml` file.

Custom appenders

The required implementation to configure custom appenders has changed. To see what has changed, please check the example implementation of a custom appender under `{server location}/sdk/examples/customizing`

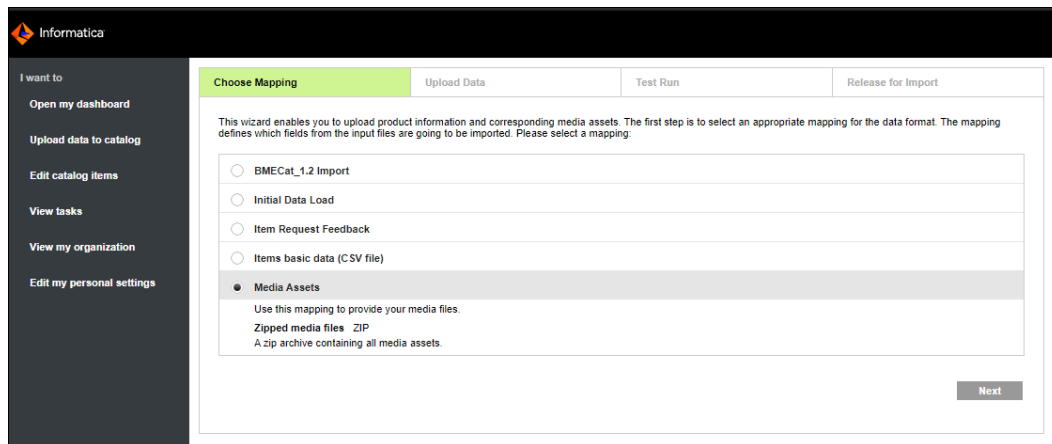
Media Manager

The logging configuration is now stored in the `newlog4j2.xml` file . This new configuration replaces the old `log4j.properties` file. The location of the configuration file within each module does not change. The same goes for the available loggers. This affects the following Product 360 Media Manager modules:

- Product 360 Media Manager Web application
- Product 360 Media Manager Process Engine
- Product 360 Media Manager REST Service for Supplier Portal
- Product 360 Media Manager Database Updater

Supplier Portal mass media asset upload (Cloud only)

It is now possible for suppliers to mass upload media assets via Supplier Portal also in the Informatica Cloud version of Product 360 and in a similar fashion as for non-Informatica Cloud deployed systems.



The screenshot shows the Informatica Supplier Portal interface. On the left is a dark sidebar with the Informatica logo and a list of navigation links: 'I want to', 'Open my dashboard', 'Upload data to catalog', 'Edit catalog items', 'View tasks', 'View my organization', and 'Edit my personal settings'. The main content area is titled 'Choose Mapping' and includes tabs for 'Choose Mapping', 'Upload Data', 'Test Run', and 'Release for Import'. A descriptive text states: 'This wizard enables you to upload product information and corresponding media assets. The first step is to select an appropriate mapping for the data format. The mapping defines which fields from the input files are going to be imported. Please select a mapping:'. Below this text is a list of radio button options: 'BMECat_1.2 Import', 'Initial Data Load', 'Item Request Feedback', 'Items basic data (CSV file)', and 'Media Assets'. The 'Media Assets' option is selected and highlighted. Below the selected option, instructions read: 'Use this mapping to provide your media files.', 'Zipped media files ZIP', and 'A zip archive containing all media assets.'. A 'Next' button is located at the bottom right of the mapping selection area.

This marks a major step towards a seamless experience working with Product 360 - regardless of the individual deployment model chosen.

CHAPTER 5

Changes in Packaging and Supported Platforms

This chapter includes the following topics:

- [Accelerators, 40](#)
- [Deprecation notes, 40](#)

Accelerators

A range of new accelerator packages has been made available with this release. All of them are explained in more detail in the above chapters.

- CLAIRE™ recommendation services accelerator for machine learning-driven auto-classification of product records
- Swagger UI to allow a user interface-driven exploration of the LIST API and the Management API of Product 360
- StepWorkflow BPM reference templates to set projects up with a recommended workflow design from the very beginning
- Application monitoring and metrics including sample dashboards for Kibana

Deprecation notes

- With Microsoft continuously dropping support for Internet Explorer even with Microsoft applications it has also been dropped from the section of supported browsers by Product 360 10.1.
- Microsoft Windows Server 2012 R2 has been dropped from the list of officially supported operating systems with Product 360 10.1.

For further details, please consult the Product Availability Matrix (PAM) available under <https://network.informatica.com/community/informatica-network/product-availability-matrices> as well as with the shipping of this release.