



Release Notes

Informatica MDM - Product 360

Version: 8.1.1

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**Information**

This document contains important information about the given version of Informatica MDM - Product 360. Do not upgrade to this release from a previous release without carefully reading the relevant sections.

Informatica MDM - Product 360 – Release Notes Version 8.1.1 (July 2018)

2 Preface

Informatica introduces the latest evolution of its product information management application:

Informatica MDM - Product 360 (Version 8.1.1)

Informatica's strategy is to strengthen the leading position of our Multidomain MDM solution for consolidating all master data domains and leveraging the potential of relationship insights across that data. Informatica wants to provide the most flexibility to our customers allowing them to adapt to future needs. 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 management is a mature and important discipline within Master Data Management.

Product 360 leverages the full power and capabilities of the 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 Informatica customers to start smart and grow fast, making it easy to adapt to both market changes and the competitive landscape.

Product 360 8.1.1 continues to deliver innovations to support your use cases. The key innovations are:

Cloud Edition and infrastructural improvements	Improvement of high availability, enhanced security and monitoring capabilities through all Product 360 components
Compare view	Speed-up time to value and discover insights with easy to use comparisons of products - across versions, products, or catalogs
Import of MIME Characteristic values	Enrich characteristic values with media assets - now easily importable through the import functionality and the web service API
Enhanced Supplier 360 integration	Improve collaboration with your suppliers using Product 360 together with Supplier 360 - now supporting the Broker use case and tasks for external parties in Supplier 360

3 Business User Benefits

3.1 New filter capabilities in the task widgets for dashboards

In order to further improve the user experience working with tasks on the dashboard two new filter parameter have been introduced with this release.

The team task component which shows a user all tasks of the user groups she is assigned to can now be enhanced by the optional parameter of `userAssignedTasks`. If set to false the widget will only show tasks that are directly assigned to a user group and filter out tasks that are assigned to other users of the shared user groups. With this the overview can be further improved in cases where tasks already assigned to a different named user are not of further interest.

Additionally a new optional parameter called `filterByName` allows to activate a filter in the header of the My tasks and Team tasks component. If the user enters some text in this field the task list is filtered down to those tasks that include the text in their name.

3.2 Compare view in Web UI

Similar as in the Desktop UI it is now possible for users to query a sophisticated compare view inside the Web UI. The view allows granular side by side comparisons of multiple items, variants or products including a filter for categories and a filter to show only differences by a color highlighting. The same capabilities can also be used directly inside a Task UI via an embedded component.

With this it is possible to quickly discover differences and similarities during the product enrichment process. The following comparison capabilities are available:

- Merge preview to envision the simulated representation of an item in a supplier catalog in the master catalog before performing a merge
- Supplier to master comparison to show differences between an item of a supplier catalog and its corresponding item in the master catalog
- Master to supplier comparison to show differences between the item in a master catalog and all its referenced items within supplier catalogs
- Version (revision) comparison to show differences between a product, variant or item in the base version of a catalog and potential versions of the same created in the past
- Individual comparison to show differences between selected objects of the same type



The back end user used for the communication between Supplier Portal and the item editor of the Web UI should have an accurate action right configuration to avoid access across catalogs for third party supplier users.

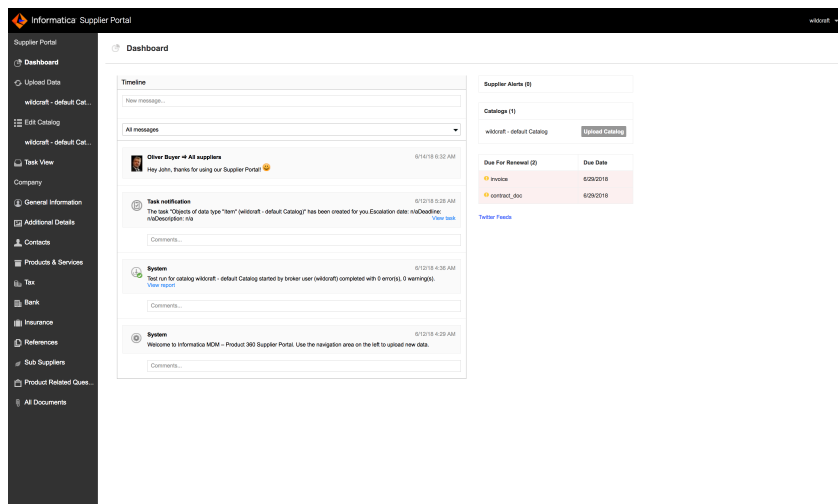
	AIW_6382437686 (base)	AIW_6382437687	AIW_6382437685
▼ Header data			
🔗 Catalog	Characteristics Sample Data	Characteristics Sample Data	Characteristics Sample Data
🔗 Item no.	AIW_6382437686	AIW_6382437687	AIW_6382437685
Alternative item no.			
Component	No	No	No
GTIN	4019588640160	4019588543263	4019588640009
Kit	No	No	No
Last status change	The user pim set the status "01 New" on 12/12/2017 2:21 AM.	The user pim set the status "01 New" on 12/12/2017 2:21 AM.	The user pim set the status "01 New" on 12/12/2017 2:21 AM.
Manufacturer	Moncler	Dolce&Gabbana	Dolce&Gabbana
Manufacturer item no.	353432345	658887386	384738485
Object right type			
Object rights			
Sold only in kits	No	No	No
Status	01 New	01 New	01 New
Supplier ERP group			
▼ Language-specific data (English, Default Ch...			
Manufacturer type designation			
Short description	Maglia Knit Down Jacket	Painted Leather Biker Jacket	Hydranges-Print Poplin Bustier Dress
▼ Language-specific data (German, Default Ch...			
Manufacturer type designation			
Short description	Maglia Strick Daunenjacke	Biker Lederjacke	Hydranges-Druck Poplin Bustier Kleid
► Texts			

Close

4 Supplier Portal

4.1 Supplier 360 integration

With the release of Supplier 360 10.1 HF5 EBF1 the integration with Product 360 has been further enhanced. This includes the capabilities of automatically routing broker users logging into Supplier 360 to the Product 360 Supplier Portal for proper SKU onboarding as well as the support of tasks for supplier users directly within Supplier 360. Supplier 360 10.1 HF5 EBF1 also enables users now to change the UI language directly during login.



4.2 Cluster-aware behavior and fault tolerant system jobs

All Supplier Portal servers need to have the same configuration regarding high available environment requirements, therefore the underlying job framework needed to be switched from quartz based to spring task scheduling based. Furthermore a new locking framework has been introduced to ensure jobs being executed only on one server of a cluster.

4.3 Support to use the import settings of an import mapping

The import settings used when executing an import without specifying any options over the Import-Management Service API are by default

```
createNewObjects = true,  
updateExistingObjects = true,  
errorMode = "TOLERANT"
```

In order to allow an import in "update existing objects only" mode a new flag has been introduced to allow bypassing the defaults and instead use the import settings from the corresponding import mapping. For this the new flag `useMappingDefault` needs to be set to true. Supplier Portal will from now on use the import mapping defaults.

5 Platform Enhancements


5.1 Import of MIME characteristics values

A characteristic value of type MIME can now be imported including the MIME file referenced by it. The import should follow these points:

- one or several data sources (e.g. CSV, XML file) containing the MIME characteristic values as a reference to the corresponding MIME files
- one or several additional data sources of type "MIME Zip", which are zip file(s) having an extension of "mime.zip" containing the MIME files

A MIME file will be imported with the following rules:

- if there is at least one reference (MIME characteristic value pointing to this MIME file) in any input file of an import project.
- only once, even if several MIME characteristic values are pointing to the same MIME file within one import project.

 MIME file import files are typically large archive files. These files are stored on the Product 360 server till the corresponding import job gets removed. Please ensure to have the matching clean up job defined to prevent disk space issues.

For further information please refer to the Technical Documentation HTML library in the Installation and Operation package under the chapter "Import of characteristic values".

5.2 Cleanup job for MIME characteristic values

A newly introduced system job called "Remove obsolete MIME files" deletes files which are no longer used automatically. The protocol provides information about which files have been deleted and also which references of items in the working version to non existing files were found in the database.

5.3 Upgrade of IDQ SDK

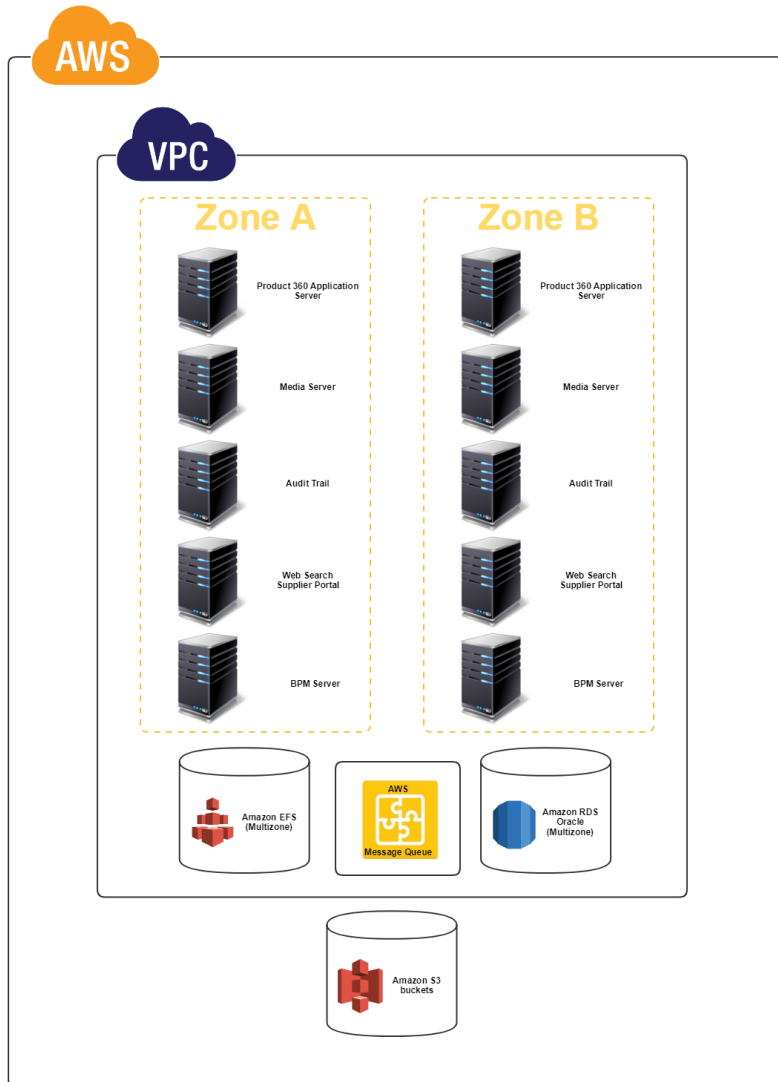
The embedded data quality rule engine has been updated to the current release of Informatica Data Quality 10.2 bringing the latest release of Informatica's leading data quality solution to Product 360.

5.4 REST Revision API

With Product 360 8.1.1 we enabled the web service based access for versioned data within Product 360. The Rest Revision API allows to create revisions and add entity items to them (this process is called "release to a revision" or a revision release job). For further information please refer to the Service API documentation under the chapter REST Revision API.

6 Cloud Edition Enhancements

6.1 High Availability



The picture above shows the High Availability environment from Informatica's Product 360 cloud offering for Amazon AWS. Similar setups are now also possible on other cloud providers such as Azure.

6.1.1 Database health check

Regarding high available environment requirements all Product 360 modules are supporting now an active reconnect to the database if the database switches the active node. In such a case server restart are no longer necessary.

6.1.2 Supporting of Informatica BPM cluster

With Product 360 version 8.1.1 the server supports the cluster feature of Informatica's **Business Process Management** to ensure the High Availability scenario for business workflows.

6.2 Monitoring

6.2.1 Support of 3rd party tools for logging

Log files of the different Product 360 modules like:

- P360 Server
- P360 Audit Trail
- P360 Supplier Portal
- P360 BPM
- P360 Web Search

can be spooled into a 3rd party tool like Sumo Logic, Sample configuration files are not part of the Product 360 package. Reach out to the Product Management for sample integration into Sumo Logic.

6.2.2 Support of 3rd party tools for monitoring

The Product 360 server modules can be integrated in a monitoring landscape like Sensu. Basic health checks for the different components and also integration samples can be ordered from Informatica's Product 360 Product Management team.

6.3 Security

6.3.1 Secure communication between all components

P360 is now fully enabled to support encryption at rest and in flight. All servers components are now enabled to support secure communication between the different components of the application. The different components are:

- P360 Server
- P360 Audit Trail
- P360 Supplier Portal
- P360 BPM
- P360 Web Search
- Message Queue
- Database

6.3.2 Database encryption

With version 8.1.1 Product 360 leverages the capabilities provided by the underlying database such as Oracle to enable encryption at rest. In the case of Oracle RDS on AWS, P360 leverages the database security option to encrypt all data which are stored on the disk automatically.

File storage of the different modules of the architecture can also be encrypted if needed.

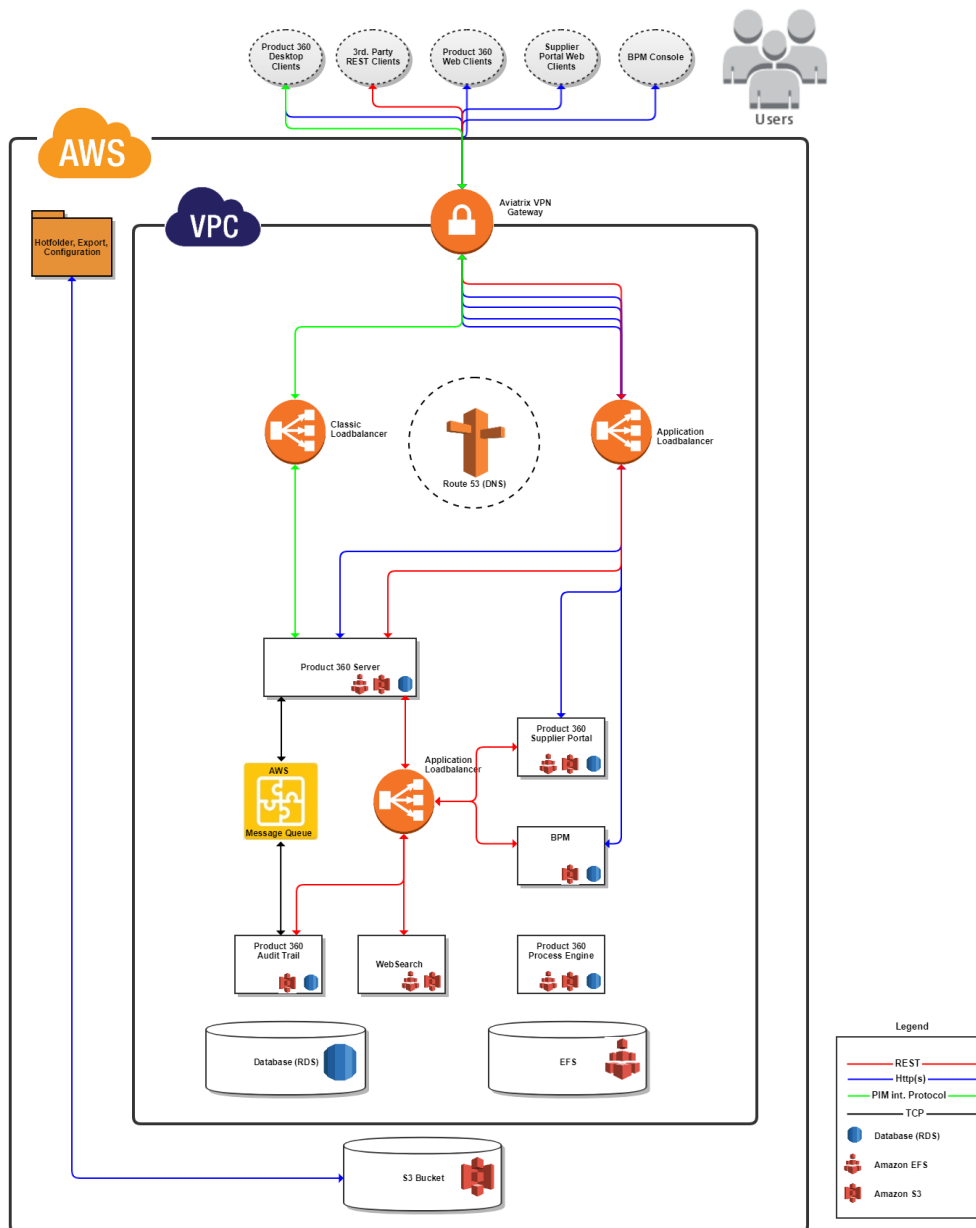
6.4 Others

6.4.1 Amazon MQ support

Product 360 now supports also the managed message broker service for Apache MQ from Amazon, therefore it is possible to use this service instead of an on-premise Message Queue installation.

6.4.2 Cloud setup

The picture below shows an overview of the setup of Informatica's cloud offering of Product 360 on AWS. Similar setup can also be achieved on Azure.



7 Technical New & Noteworthy

7.1 Audit Trail server

7.1.1 Encryption


The communication between Product 360 Desktop, Product 360 Server and Product 360 Audit Trail has been improved. Product 360 Desktop does no longer access the Audit Trail server directly. The information presented in the Audit Trail view is now gathered directly via the Product 360 Server. The Product 360 Server uses the HTTP(S) protocol to access the Audit Trail server. With that it is now possible to use an encrypted (HTTPS) communication between Product 360 Server and Audit Trail.

It is not longer possible to configure more than one Product 360 Audit Trail Server in AuditTrailNetworkConfig.xml of the Product 360 Server. If more than one Product 360 Audit Trail should be used a HTTP(S) load balancer is necessary. For more details about the configuration please refer to the Installation/Configuration guide of Product 360 8.1.1.

7.2 Media Asset

7.2.1 Performance improvement while filtering media asset in Documents view

A new column "NormalisedCategory" and its index has been added to the [MAIN].MediaAssetDocument table. This helps to improve the performance if a user filters the media assets in the Documents view for a selected category in case the classic provider is being used instead of the Media Manager component.

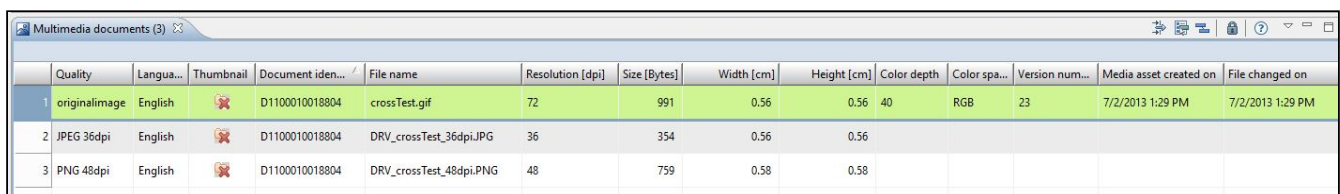
 For this feature a data base script has to be performed which may take on average 37 seconds per one million entries.




7.2.2 Changed attributes for media asset document derivatives

In previous versions all media asset document attributes were returned for a request of a derivative to Media Manager. Some are own attributes of the derivative and some are from the master asset (original image). This behavior has now been improved, since the original image attributes are not suitable for its derivatives. Since this version only the following meaningful attributes will be returned for a derivative, and a request on other attributes will not return a value.

- File name
- Resolution
- Size
- Width
- Height

With this the multimedia documents view shows only the meaningful attributes for a derivative like pictured in the screenshot below. This has also been adjusted for other requirements (e.g. for export).



	Quality	Langua...	Thumbnail	Document iden...	File name	Resolution [dpi]	Size [Bytes]	Width [cm]	Height [cm]	Color depth	Color spa...	Version num...	Media asset created on	File changed on
1	originalimage	English		D1100010018804	crossTest.gif	72	991	0.56	0.56	40	RGB	23	7/2/2013 1:29 PM	7/2/2013 1:29 PM
2	JPEG 36dpi	English		D1100010018804	DRV_crossTest_36dpi.JPG	36	354	0.56	0.56					
3	PNG 48dpi	English		D1100010018804	DRV_crossTest_48dpi.PNG	48	799	0.58	0.58					

7.2.3 Message Queue connection with authorization

The Product 360 server uses a message queue connection to consume events fired by Media Manager. It is now possible to specify a user to authenticate against the message queue service by two new properties introduced to hmm.properties.

```
hmm.jms.connection.username=<ENTER MEDIA MANAGER JMS SERVER CONNECTION  
USERNAME HERE>
```

```
hmm.jms.connection.password=<ENTER MEDIA MANAGER JMS SERVER CONNECTION  
PASSWORD HERE>
```

Both properties are not mandatory. If no values is set the connection to the message queue service will be setup without authorization. The given user requires at least read user rights because this user does not post messages in the message queue service. No changes are necessary on existing installations if no authorization should be used.

7.3 Item / Variant / Product

7.3.1 Generate Variant/Product

We slightly changed the behavior of the feature 'Generate Product' / 'Generate Variant'. Before, the process stopped on the first error leading to the behavior that the product / variant was not created. This is inconvenient if there is for example the same field at item/variant and variant/product level but with different enumerations (since the value of the item does not match any allowed value for the product, it wasn't possible to create a higher level variant/product).

Now the process won't stop on error. Instead, if an item value is not valid for the product (or any other error occurs) this value is not saved. This means, if there is a default value, either in the repository or set by an initializer, the product will have this default value. If the item value (including null values) is allowed for the product, the value is set. This means, any default value will be replaced by the null value. In case the item (or variant) does not have a field that is present at the variant/product level, the default value - if available - is set.

Any potential problems will be logged in the client log files as warnings.

7.4 SAML Authentication with LDAP

In case a user is authenticated during SAML login and there is also a LDAP configuration in place, the user will be synchronized with the data stored in the LDAP. This includes group memberships and requires that the user can be found via the same user name in LDAP.

The automatic LDAP synchronisation for SAML users can be deactivated using this setting in the `plugin_customization.ini`: `com.heiler.ppm.web.saml/syncSAMLUserWithLDAP = false`

7.5 Web Specific Configuration

Two new properties have been introduced in the `webfrontend.properties`.

```
web.client.enum.sort.locale-sensitive = false  
web.client.enum.sort.case-sensitive = false
```

Default value (= recommended) for both properties is false. Possible values are "true" and "false".

Property "web.client.enum.sort.locale-sensitive" specifies whether to use locale-sensitive (= "true") resp. locale-insensitive (= "false") string comparison in enum list and lookup value sorting.

Property "web.client.enum.sort.case-sensitive" specifies whether to use case-sensitive (= "true") resp. case-insensitive (= "false") string comparison in enum list and lookup value sorting.

7.6 Privileges

A new action right for all server shutdown and client shutdown actions via the Webservice API has been introduced. "Remote Service Shutdown" in the category "General" enables the triggering of a server shutdown, as well as a client shutdown at the Webservice Management API.



Since this action may have a substantial impact it is recommended to handle with care.

8 Discontinued

8.1 Informatica Data Quality 9.6.x

With version 8.1.1 the support of Informatica's Data Quality engine 9.6.x is discontinued. It is highly recommended to update to version 10.2.

8.2 Windows 2008 R2

As announced in earlier versions of the Product Availability Matrix Windows 2008 R2 is no longer supported as application server.

8.3 Microsoft SQL Server 2012

As announced in earlier versions of the Product Availability Matrix Microsoft SQL Server 2012 is no longer supported as database server.

8.4 Oracle 11g R2

With version 8.1 we also removed the support of the database Oracle 11g R2.

8.5 JBPM-Workflow-Engine

The support of the deprecated JBPM Workflow engine has ended with MDM - Product 360 8.1.

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