



# 8.1.0.03

Informatica MDM - Product 360

Version: 8.1

# 1 Table of Contents

<b>1</b>	<b>Table of Contents</b>	<b>2</b>
<b>2</b>	<b>Release Information</b>	<b>3</b>
<b>3</b>	<b>Binaries Download</b>	<b>3</b>
3.1	Software	3
3.2	All packages for the development of extensions for the current software version can be downloaded here: Software Development Kit (SDK)	3
<b>4</b>	<b>Change Summary</b>	<b>4</b>
<b>5</b>	<b>New &amp; Noteworthy</b>	<b>4</b>
5.1	Export Template Preview	4
5.2	Export of text fields in HTML and XML files	4
5.3	Runtime	4
5.4	New field IsOriginWorkflow in the Task table	5
5.5	Supplier portal customization	5
5.6	Repository - escape values in 1:n field types of type String	5
5.7	Service API - fixed behavior for 1:n field types (HPM-42994 - square brackets are shown around the field value when upper bound of fieldtype is -1 Closed )	5
5.8	New Preferences for Richtext Fields	6
5.9	Web Detail Tab Definition: New attribute 'refreshOnClick' in FormDefinitions	6
<b>6</b>	<b>Fixed Limitations</b>	<b>7</b>
6.1	Product 360 – Server / Product 360 – Desktop UI	7
6.2	Product 360 – Supplier portal	10
6.3	Product 360 – Media Manager	10

## 2 Release Information

### Release Date

2018-11-22

Find the PIM modules' version and revision information below; for further details refer to the Version compatibility matrix.

Module	Module version	Revision
PIM Core	8.1.0.03	60832
PIM Web	8.1.0.03	15248
Digital Asset Management	8.1.0.03	8786
Supplier Portal	8.1.0.03	10400
PIM Web Search	8.1.0.03	1050

## 3 Binaries Download

### 3.1 Software

The installation packages of PIM x.x.xx will be available within the Informatica shipping portal.

Partners will need to request software through the partner portal (PARC).

If they have not registered for PARC, they can do it here: <http://parc.informatica.com/partners>

3.2 All packages for the development of extensions for the current software version can be downloaded here:  
Software Development Kit (SDK)

Content	Download link	Remarks
PIM SDK target	PIM_x.x.xx_SDK_target.zip	This package contains the target platform for development of PIM extensions.
PIM SDK complete	PIM_x.x.xx_SDK_complete.zip	This package contains the target platform for development of PIM extensions plus samples.
Java REST client	PIM_x.x.xx_SDK_RESTclient.zip	This package contains the java client implementation encapsulating the REST based Services API.
PIM Supplier Portal SDK	PIM_x.x.xx_SupplierPortal_SDK.zip	This package contains the full Supplier Portal SDK including binaries, Tomcat application server and samples.

## 4 Change Summary

API changes/ extensions	Repository changes	Translation relevant UI changes	PIM Server configuration changes	PIM Rich Client configuration changes	Difference to PIM x.x.xx
API Requests	xx	xx	xx	xx	Files Plugins

## 5 New & Noteworthy

### 5.1 Export Template Preview

The generation of the export template preview URL has changed. The value for template in the URL is now the template name instead of the template id. Previously generated URLs are still supported.

### 5.2 Export of text fields in HTML and XML files

To prevent any XSS attacks, you should check your export templates, especially the HTML preview templates. The content of each text field should be escaped for output. There are two rules:

- Rich text gets automatically escaped. That's why you need to ensure it doesn't get escaped a second time.
- Non-rich text has to be escaped in the export template. This is done automatically in most cases.

In case you have to create the output dependent on checks, you probably use an export function like `IfNotEmptyThenNotEnc`. This function intentionally prevents the given parameters to be escaped, which is needed to create valid HTML output.

Example 1: Non-richtext field, `EscapeValue` function has to be used:

```
{?IfNotEmptyThenNotEnc "&{&Language-specific data.Short description(1)}",  
  <tr>  
    <td style="width:auto" ><b>{?EscapeValue &{&Language-specific data.Language}}</b></td>  
  </tr>  
}
```

Example 2: Rich text field, no `EscapeValue` function is needed here:

```
{?IfNotEmptyThenNotEnc "&{&Language-specific data.Short description(1)}",  
  <tr>  
    <td style="width:auto" ><b>{&Language-specific data.Long description}</b></td>  
  </tr>  
}
```

### 5.3 Runtime

With Java version 8.181 and higher a new Java security mechanism is active by default. It is called endpoint identification and is used with secure LDAP connections. The certificate used for the LDAPS connection is now validated against the LDAP server name entered in the `LDAPconfig.xml` file. If the LDAP server name is not entered in the used certificate a validation error occurs. This error prevent the P360 Server to startup.

This mechanism is disabled via new JVM parameter to ensure all customer's system can handle LDAPS with the latest java version.

If you want to use the endpoint identify for LDAPS connection you can change the JVM parameter in `/P360Server/service/wrapper.conf`. Set the value `-Dcom.sun.jndi.ldap.object.disableEndpointIdentification=false`.

```
wrapper.java.additional.XX = -Dcom.sun.jndi.ldap.object.disableEndpointIdentification=false
```

## 5.4 New field `IsOriginWorkflow` in the `Task` table

The new field `IsOriginWorkflow` has been added to the table `Task`. This field is a marker if the workflow task has been initially created by the workflow or has been created manually by the user during assigning or accepting of items from the workflow task. However the value of this field must be checked/completed in existing databases. Read more about [How to complete the value of `Task.IsOriginWorkflow` field](#) in Trouble Shooting document.

Some special circumstances can lead to duplicated workflow tasks for the same workflow, workflow status, container, entity and assignee and this can result in strange behaviour assigning items to another assignee. `TaskEntityInitializer` has been extended to find such duplicated workflow tasks during P360 Server startup. If there are duplicates found in the customer database read more about [How to handle duplicates of workflow tasks in the database](#) in [Trouble Shooting](#) document.

## 5.5 Supplier portal customization

It is now possible to add 3 custom pages to the supplier portal support box. Additionally a privacy page can be included in the support box to fulfill the GDPR compliance.

The page can be displayed in the support box by uncommenting the html tag in every supplier portal html page where it is needed.

```
<div id="hsx-page-navigation-all" class="hsx-page-navigation">
  <span id="hsx-login-link"><a href="Login.html" id="hsx-login-label">Log In</a> | </span>
  <span id="hsx-registration-link"><a id="hsx-registration-label" href="Registration.html">Register</a> | </span>
  <span id="hsx-terms-link"><a id="hsx-terms-label" href="terms.html">Terms & Conditions</a> | </span>
  <span id="hsx-imprint-link"><a id="hsx-imprint-label" href="imprint.html">Legal disclaimer</a></span>
  <!-- <span id="hsx-privacy-link"><a id="hsx-privacy-label" href="privacy.html">Privacy Policy</a></span> -->
</div>
```


In the customization section of the supplier portal there is a new documentation on how to add these custom pages to the support box.

## 5.6 Repository - escape values in 1:n field types of type String

In the past it was not possible to use semicolons in field of 1:n field types. This is now possible. The field type must be of type "String" (business class as well as persistence class), field type upper bound must be `!= 1` and the Documentation of the field type must contain "ESCAPE\_VALUES". Thereby semicolons will be escaped in the database.

Please note, that this logic is independent of the field (in the repository's custom area) itself and is valid for 1:n fields and also 1:1 fields, which are based on a 1:n field type. This means, that if you have a string field with `upperBound=1`, which is based on a field type with `upperBound=-1`, you will have to add "ESCAPE\_VALUES" into the field type Documentation in order to be able to use semicolons in the field value.

## 5.7 Service API - fixed behavior for 1:n field types (

 **HPM-42994** - square brackets are shown around the field value when upper bound of fieldtype is -1 CLOSED

)

In the past, when having a 1:1-field (in the repository's custom area, `upperBound=1`) based on a 1:N-field type (in the repository's types area, `upperBound=-1` or `upperBound>1`), then the field value was returned with square brackets in Service API, e.g. "[My value]". This has been fixed now, means that the field value is now returned without square brackets, e.g. "My value".

## 5.8 New Preferences for Richtext Fields

The setting `com.heiler.ppm.richtext.server/richtext-html-cleaner` is introduced in `plugin_customization.ini`. If set to `true`, all rich text fields will be cleared of HTML tags or attributes not mentioned in the white list. This has been introduced to allow you to setup a granular security definition for such values. Default value is `true`.

### plugin\_customization.ini

```
com.heiler.ppm.richtext.server/richtext-html-cleaner = true
```

The adjustments is based on a whitelist:

Allowed HTML tags:

a, b, blockquote, br, caption, cite, code, col, colgroup, dd, div, dl, dt, em, figure, h1, h2, h3, h4, h5, h6, i, img, li, mark, ol, p, pre, q, small, span, strike, strong, sub, sup, table, tbody, td, tfoot, th, thead, tr, u, ul

Allowed HTML attributes:

- for all HTML tags: class, id, role, aria-label, contenteditable, tabindex
- a: href, title
- blockquote: cite
- col: span, width
- colgroup: span, width
- img: align, alt, height, src, title, width
- ol: start, type
- q: cite
- table: summary, width
- td: abbr, axis, colspan, rowspan, width
- th: abbr, axis, colspan, rowspan, scope, width
- ul: type

Example

Here is some `<b>richtext</b>` with `<i>html</i>` code `<img src=d onerror=alert(wuff);>.png` will be adjusted to → Here is some `<b>richtext</b>` with `<i>html</i>` code `<img>.png`

## 5.9 Web Detail Tab Definition: New attribute 'refreshOnClick' in FormDefinitions

If the fielddefinition attribute 'refreshOnClick' is set to 'true', then the content of detail tab will be refreshed on each time you click into it.

Example:

```

<formDefinitions xsi:noNamespaceSchemaLocation="FormDefinitions.xsd">
  <definition debugId="article_example_tab" i18NKey="Example" permissionId="web.article.detail.tabs.texts" position="100"
rootEntity="Article" refreshOnClick="true">
  <column>
    ...
  </column>
</definition>
...
</formDefinitions>

```

The detail tab 'Example' will be refreshed each time if you click into it.

Be careful not to use it too extensively as this can drastically affect performance.

## 6 Fixed Limitations

This release delivers a number of bug fixes that have been documented in the Fixed Limitations section below. If you encounter difficulties or have further questions regarding one of these limitations, contact Informatca Global Customer Support and reference the CR number.

### 6.1 Product 360 – Server / Product 360 – Desktop UI

Reference Number	Description
HPM-43327	Duplicate Task when assigning via Service API and UserGroup
HPM-42521	Errors during versioning of structure groups
HPM-27387	Database setup dialog too small. db.supplier.schema not shown
HPM-43167	Exporting multiple versions to csv on the same row doesn't work
HPM-42796	Export throws error message in UI Dialog - Logs are empty
HPM-42780	Rest-Call with revision!=1 provides no language qualification back based on the order of fields
HPM-42736	Audit Trail slowness
HPM-42690	Rich client not responding anymore when trying to schedule merge for a big supplier catalog
HPM-42686	Export with sub-module product feature values no longer works after PIM update
HPM-42689	DQ channel drop down doesn't show up in Exports after Server restart in 8.1.1.00.02
HPM-42578	Same jobhistory export entry is being repeated everytime instead of creating new entry
HPM-42548	How to get the single quote character shown correctly in both web client and rich client.
HPM-43028	BPM view no longer working for normal users after update
HPM-42999	RepositoryUtils.getRepositoryField(entity, fieldTypeIdentifier) in 8.1.0.01.04 has been changed
HPM-42994	square brackets are shown around the field value when upper bound of fieldType is -1
HPM-42928	User Permissions for "Context Selection" view

HPM-42896	Export not ending when JSON Validation scripts enabled in post processing
HPM-42915	Client login no longer working
HPM-42523	Control Center does not initialize correctly with HTTPS enabled in web configuration
HPM-42296	File changed on doesn't show the correct date
HPM-42293	Re-open - Missing information in the PIM REST Export API(HTTP GET)
HPM-42354	Merge failing with duplicate check errors interfering with other article subentities
HPM-42202	Missing values in product attributes (cumulative) view
HPM-42218	QualityStatusEntryView does not update view in case the selected object has no status object
HPM-42083	Action rights for Structures don't work as expected
HPM-42098	Disk usage shows incorrectly in Control Center Monitoring
HPM-42038	Enhancement for tab refresh
HPM-42035	Object rights for the Lookups not working as expected in WebUI
HPM-42026	WEBUI: Custom Tab implementations: LogicalKeyChangeListener reacts no longer on DetailModelForm
HPM-42414	Identifier of the value logical key, only hardcoded value can be given and variable option is disabled
HPM-42403	REST API : Delete sub entity - Deletes all sub entities of same sub entity type
HPM-42044	Rule executed from Web is executed on all channels
HPM-41764	AuditLog Classifiers for MultiAuditLogProvider do not work
HPM-41550	'Add to existing task' is grayed out after 'Search and Replace' in PIM Web
HPM-41503	Cannot override a ArticleStructureMap.ManualMap field when merging to master through REST API call
HPM-41030	Templateld should be maintained when overwriting an existing export template.
HPM-40688	Performance issues while calling item data since the update to 8.0.6.04.01
HPM-40711	Label is not retained in the table view of the Web client after field selection has been made
HPM-40068	Desktop client: Exception in Quality status view when switching revision context
HPM-40103	The transfer of reserved fields from StructureFeatureLang to StructureGroupAttributeLang is not implemented.
HPM-40549	Attribute name cannot be left empty in search (ArticleAttributeLKConditionGenerator)
HPM-39880	Two entity reports are contributed without display name
HPM-40793	Security#25: Error messages reveal details of the implementation
HPM-40875	Security#8: Jetty Version can read in Header of response
HPM-40867	ProposalEnumFormatTransformer causes display and storing of wrong attribute values (Feature attribute match with changed preset value names incorrect)
HPM-40866	In PIM web client, article customized field name changed after adding new fields
HPM-40749	GenericCardinalityValidator does not consider logical key values when checking for upper bound data objects
HPM-40335	Hibernate data model extension is unable to load custom class



HPM-38483	Synchronized checkmark on dictionaries will be removed after running a cleanup job for removed objects.
HPM-39018	Web: Assigned asset shows no thumbnail for some file types
HPM-38994	Adding Media Asset files doesn't consider the list of allowed characters (from IMM Administration)
HPM-38666	Sort functionality on REST LIST API is slow
HPM-36411	Error on dynamic assortment
HPM-34149	SNMP does not respond as expected
HPM-20881	It is not possible to scroll with mouse wheel to the end in dialog "Execute data quality rules"
HPM-43311	data source "Deleted assignments from product to structure groups" not working
HPM-43139	tabs should be refreshed when we move to the corresponding tab and show the latest value
HPM-41449	No Preview when using the MediaAPI with REST call .../rest/V1.0/media/D130001065118/preview?size=small
HPM-42549	Nullpointer when executing a long rest request.
HPM-42986	Job server can't start if there is already another job server processing hot folder files
HPM-43007	When building SOLR search indexes, the previous indexes that are available are lost in case of failure
HPM-41839	Log view does not update content automatically in process overview after running test export from export template perspective
HPM-42468	SQTS tasks are copied instead of forwarded
HPM-41834	No Security permission settings available for Media asset file download in P360 web client
HPM-40149	Feature inheritance are not running on the PIM Server, only on PIM Desktop client.
HPM-42056	Task can not be opened and looks broken
HPM-42025	Changing the upper-bound from -1 to 1 (field area) cause an error in import when the field is not mapped and has a value which includes semicolons.
HPM-42555	P360 allows the import of inactive LookupValues. Not even an INFO or WARNING is displayed
HPM-42289	Migration of structure systems from PIM 7 to PIM 8 needs to much memory.
HPM-39308	The database "setup/update" error logging does not work correctly in PIM 8.
HPM-43046	JSON Validation passing on invalid JSON
HPM-42702	Audit Trail log4j.xml default is set to DEBUG
HPM-42946	Dynamic Group task items do not load in PIM Web, when query is on the quality status
HPM-42660	Persistence extensions for field type ArticleType.KitComponent are too expensive
HPM-41554	Client freeze when deleting a supplier catalog
HPM-42661	ListReadService has a hard coded fetch size of 100
HPM-42684	Unable to cancel data quality rule unless processing of all items has been completed

HPM-42662	LastTouchedDateProvider always uses list model access even when reading data for only a single object
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## 6.2 Product 360 – Supplier portal

Reference Number	Description
HSP-3627	Error while clicking on uploading data from Supplier Portal by logging with broker user having 60-70 supplier assigned
HSP-3637	With Deeplink with invalid feed Id PIM and supplier portal became totally unresponsive.
HSP-3579	XSS possible in the supplierportal login
HSP-3578	Supplier Portal access log blows up and fills entire disc space

## 6.3 Product 360 – Media Manager

Reference Number	Description
HMM-7276	Unable to download media assets from PIM if asset has no status in MM database
HMM-7148	LDAP Test user name is not working while login via Media Manager web client

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