

Akeneo - Bynder Automatic connector

EXCHANGE DATA BETWEEN AKENEO AND BYNDER



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Version	Date	Auteur	Commentaire
1.0	13.03.2022	Charles Derache	Initialisation des spécifications

Introduction

This document is used to help you to configure the connector.

Connector

Goal

This connector is used to transfer:

- assets from a Bynder environment to an Akeneo PIM
- data from Akeneo to Bynder.

The data exchanges use the API of both applications.

To create assets in the right Akeneo asset family, the configuration will be used and send each asset in the corresponding asset family.

The link between the asset and the product will be created thanks to the Akeneo native “Product link rule” feature.

This version of the connector will automatically retrieve information from the DAM and send it to the PIM. It can also be used to get information from Akeneo and send it to Bynder.

Features

Automatically import visuals

The assets in the PIM will be only with URLs and the binary will be left on Bynder side.

Thanks to this:

- We will display the product images in the PIM product list and product page.

ID	Image	Label	Family	Status	Complete	Created at	Updated at	Variant products	Quality score
Product With Asset		Product With Asset	Retail	ENABLED	50%	15/02/2021	18/02/2021	N/A	D
2179469		Pneu MICHELIN PRIMACY 4 185/65 R1...	Pneu	ENABLED	100%	20/01/2021	05/02/2021	N/A	B

- We will send to the channels the information and the binaries will be still on Bynder CDN.

```
1 {
2   "code": "Example"
3   "values": {
4     "label": [
5       {
6         "locale": "fr_FR",
7         "channel": null,
8         "data": "Example of asset from Bynder"
9       }
10    ],
11    "URL": [
12      {
13        "locale": "fr_FR",
14        "channel": null,
15        "data": "http://dataggo.bynder.com/m/952758265874zd8552/original/Vertical-red.png"
16      }
17    ]
18  }
19 }
```

Known limitations

Due to the Akeneo's cache system, if a new version of an asset is updated in Bynder, in Akeneo, the thumbnail will not be updated.

Due to the Akeneo's "Product Link Rules" system, it's not possible yet to automatically link an asset to many products. We are working on a new rule system to allow the multiple products for an asset.

Configuration

Automatic exchange

The connector needs to access to the applications with the API. You will have to give these accesses in Bynder and in Akeneo.

In Bynder we use a Permanent Token. This token must have at least read and write rights on the **assets AND metadata** otherwise the connector will not be able to perform the desired updates.

You will need to also configure:

- The URL of the PIM
- The settings of the connection to be used (soon, the configuration will be made with the Akeneo Apps)

This connection must have read and write rights on products and assets. Without this, the connector will not work properly.

These parameters must be configured in the web interface

```

"akeneo_connection": {
  "url": "YOUR AKENEO URL",
  "clientId": "%AKENEO_CLIENT_ID%",
  "secret": "%AKENEO_SECRET%",
  "username": "%AKENEO_USER%",
  "password": "%AKENEO_PWD%"
},
"bynder_connection": {
  "domain": "YOUR BYNDER URL",
  "token": "%BYNDER_TOKEN%"
},

```

To prevent any security breach, the sensible data are stored in an encrypted variable

Secured variables

Code	Value		
AKENEO_CLIENT_ID	*****	✓	🗑️
AKENEO_SECRET	*****	✓	🗑️
AKENEO_PWD	*****	✓	🗑️
BYNDER_TOKEN	*****	✓	🗑️

[Add variable](#)

You can modify a parameter to improve performance:

```
"delta": true,
```

Bynder to Akeneo Mapping Parameters

For the Serenity version, the configuration is made using our web interface.

The parameters are:

```

"mapping": [
  {
    "akeneo_asset_family": "YOUR AKENEO ASSET FAMILY",
    "conditions": [
      {
        YOUR CONDITIONS: to be transferred, an asset must meet all the conditions
      }
    ],
    "media_urls": {
      "BYNDER URL attribute": "Akeneo asset attribute",
      MANY URLS can be configures
    },
    "metadata": {
      "id": "THE METADATA YOU WANT TO USE AS ID",

```

```

        "BYNDER ATTRIBUTE": {
            "attribute": "AKENEO ASSET ATTRIBUTE",
            "locale": "AKENEO LOCALE",
            "channel": "AKENEO CHANNEL"
        },
        MANY ATTRIBUTES can be configured
    }
},

```

Many mappings can be configured to match to all your couple Bynder Assets <-> Akeneo asset families.

Akeneo to Bynder Mapping Parameters

For the reverse mapping, it's in the same place, in a rule like previously.

Criteria for the products

```

    "search": [
        {
            YOUR SEARCH FILTERS: to transfer metadata, we will use filters on the products
        }
    ],
    "metadata": {
        "id": "THE METADATA YOU WANT TO USE AS ID",
        "BYNDER ATTRIBUTE": {
            "attribute": "AKENEO ASSET ATTRIBUTE",
            "locale": "AKENEO LOCALE",
            "channel": "AKENEO CHANNEL"
            "origin": "product OR asset"
        }
    },
},

```

Example:

```

{
    "akeneo_connection": {
        "url": "https://your.demo.cloud.akeneo.com/",
        "clientId": "%AKENEO_CLIENT_ID%",
        "secret": "%AKENEO_SECRET%",
        "username": "myUser",
        "password": "%AKENEO_PWD%"
    },
    "bynder_connection": {
        "domain": "yourdemo.getbynder.com",
        "token": "%BYNDER_TOKEN%"
    },
    "delta": true,
    "mapping": [
        {
            "akeneo_asset_family": "test_msf",
            "conditions": [
                {
                    "field": "type",
                    "operator": "IN",
                    "value": [

```

```

        "image",
        "picture"
    ]
},
{
    "field": "isPublic",
    "operator": "EQUAL",
    "value": 1
}
],
"media_urls": {
    "original": "original_image",
    "thumbnails": {
        "mini": "thumbnail_image",
        "webimage": "web_image"
    }
},
"metadata": {
    "id": "bynder_id",
    "description": {
        "attribute": "description",
        "locale": "fr_FR",
        "channel": "ecommerce"
    },
    "watermarked": "watermarked",
    "name": {
        "attribute": "label",
        "locale": "fr_FR"
    }
}
},
{
    "akeneo_asset_family": "documents",
    "conditions": [
        {
            "field": "type",
            "operator": "IN",
            "value": [
                "docs"
            ]
        },
        {
            "field": "isPublic",
            "operator": "EQUAL",
            "value": 1
        }
    ],
    "media_urls": {
        "original": "document"
    },
    "metadata": {
        "id": "bynder_id",
        "description": {
            "attribute": "description",
            "locale": "fr_FR",
            "channel": "ecommerce"
        }
    },

```



```
    "name": {
      "attribute": "label",
      "locale": "fr_FR"
    }
  }
}
]
```

Installation process

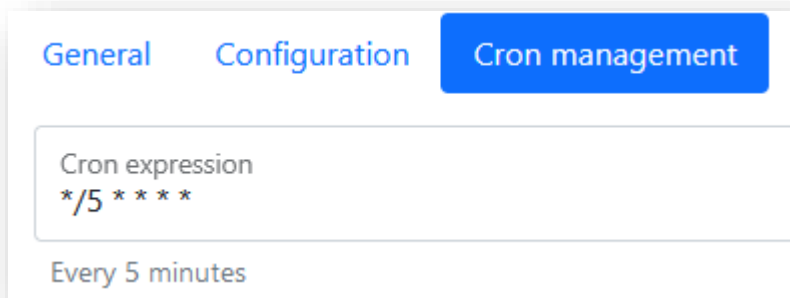
Serenity version

No installation is required as we manage the hosting.

Crontab setup

When the application is installed and configure, crontab must be setup to launch synchronization between Akeneo & Bynder.

The crontab parameters can be modified in the web interface:



The screenshot shows a web interface with three tabs: 'General', 'Configuration', and 'Cron management'. The 'Cron management' tab is active. Below the tabs, there is a text input field labeled 'Cron expression' containing the value '* / 5 * * * *'. Below the input field, the text 'Every 5 minutes' is displayed, indicating the human-readable translation of the cron expression.

To help you, the configuration is translated in a human readable text.



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