



**AX API**



## What will we do today?

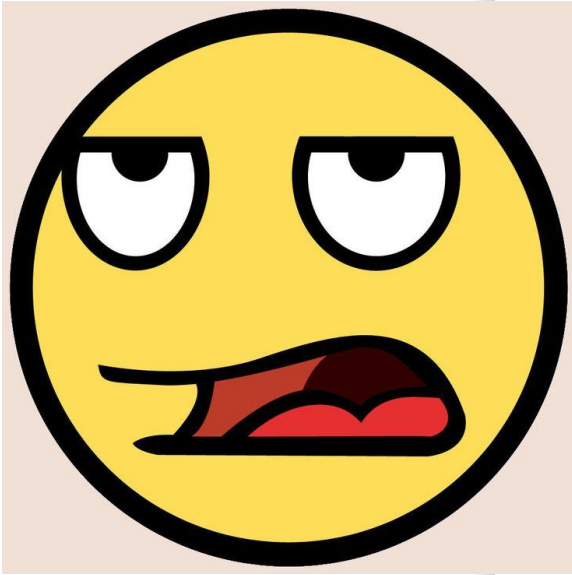
- 1.** What will you get with the API?
- 2.** How to API?
- 3.** Let's use the API in Python!

# 1.

## WHY API?



## Why API?



### *Does this seem familiar?*

- **Export** data out of PIMs all the time
- **Manually modifying** data all the time
- **Upload files** to AX all the time
- **Download** text exports as files
- Rematching text exports from the file **to the product** in the PIM

# Why API?

## INTEGRATION TO CUSTOMER SYSTEMS

- Data delivery
- Text generation
- Text delivery
  - Webhook
  - Instant Generation

## REPORTING

Text counts and information about collections can be requested

## TRUE TEXT AUTOMATIZATION

- Cockpit access not needed after text configuration is finalized
- Human intervention is no longer necessary



# What our API has to offer



## AUTHENTICATION

- Only **authorized users** may use your accounts

## DOCUMENTS

- Add a document and **upload data**
- Initiating the **text generation** for a document
- **Pick up** a document

## DIRECT GENERATION

- Get text **immediately** in response to data upload

## COLLECTIONS

- Download **all documents** of a Collection
- Initiating the text generation **for all documents in a collection**

## WEBHOOK

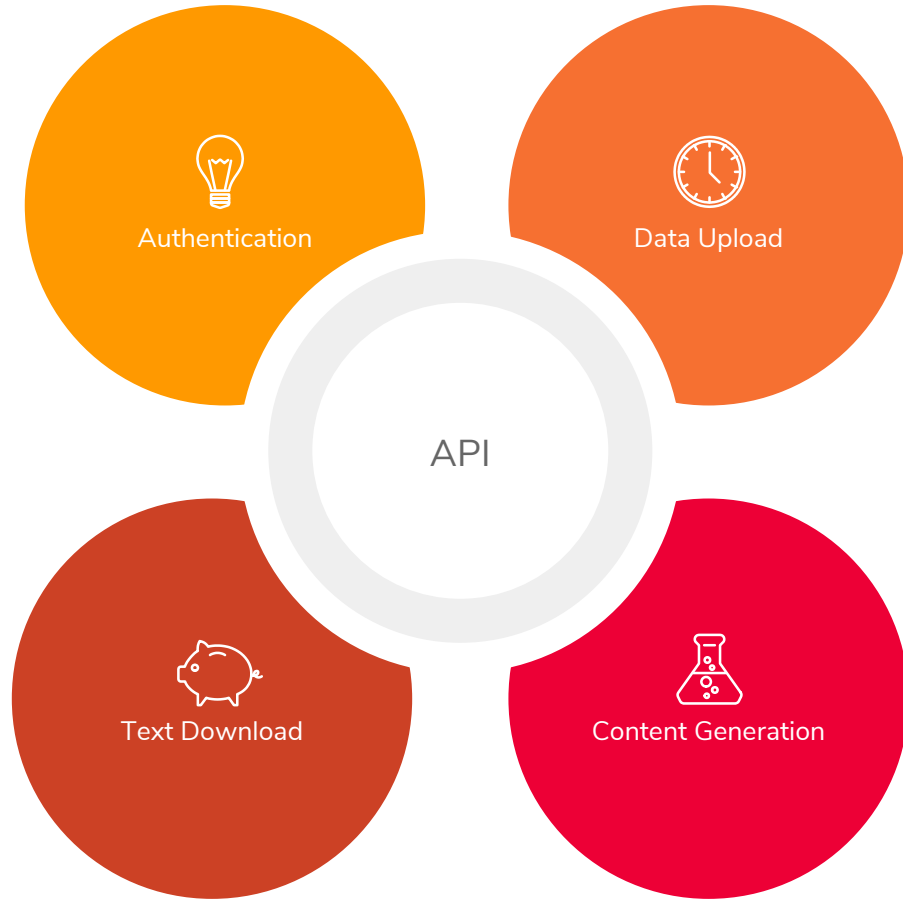
- Get generated texts **sent to you**

# 2.

## HOW TO API?



# Round trip through the API





# Basic Elements?



## Collections

- Collection of documents
- Has a unique ID
- Always associated with *one specific* project



## Documents

- Contains a data set in JSON
- Contains the generated text
- Has a unique ID
- Has a Name

# Basic Operations of APIs?

## GET

- **Inspect** document details
- Get **text**
- Get a **list of all documents**
- Get **reports**

## POST

- **Add** documents and **upload** data
- **Trigger** text generation
  - For a document
  - For a whole collection
- Create a **new collection**

## PATCH

- **Update** existing elements
- New data in an **existing** document
- New documents in **an existing** collection

# 3.

## API IN PYTHON



# We use the API in Python!

1. Authentication
  - a. Find the refresh\_token
  - b. Create the time\_limited\_token
  - c. Use the time\_limited\_token
2. Data **Upload**
  - a. Create a project
  - b. Create a collection
  - c. Create a document and upload a data set
3. **Trigger** text generation
  - a. Generate a text via API
4. Text **download**
  - a. Request text from API