



# SAP Inside Track Barcelona October 26th 2018 - #sitBCN

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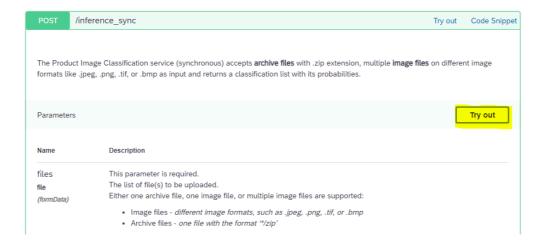


## Exploring the SAP Leonardo Product Image Classification API

- 1- Go to SAP Leonardo Product Image Classification API in the SAP API Business Hub.
- 2- Sign in with your SAP s-user
- 3- Press **Show API Key** and take note of the API Key.



4- Explore the inference\_sync method and press on Try out:



5- Upload an image of your choice, execute and check the results:

Response body

{
 "\_id": "5b88a66e-04f4-4676-ac15-ce5de48d357e",
 "predictions": {
 "name": "hp-printer.jpg.jpg",
 "results": [
 "label": "notebooks & accessories",
 "score": 0.998468
 },
 {
 "label": "tablets",
 "score": 0.001295
 },
 {
 "label": "computer monitors & workstations",
 "score": 0.000185
 },
 {
 "label": "keyboards",
 "score": 0.000033
 },
},

2



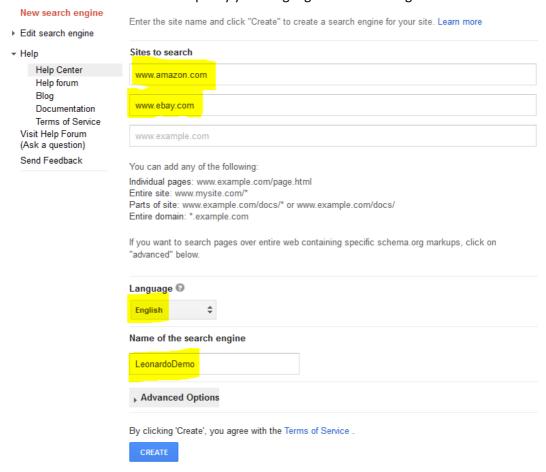
6- Press **Code Snippet** (top on the right) to check how to call the API in different languages:





## Exploring the Google Custom Search Engine API

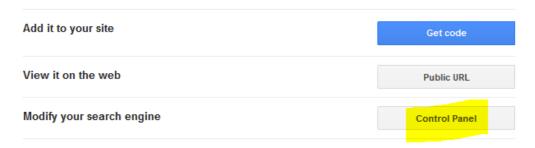
- 1- Sign in your Google account and create your <u>Custom Search Engine</u>
- 2- Add your e-commerce favorite sites and specify your language and search engine name. Create.



#### 3- Go to Control Panel

#### Congratulations!

You've successfully created your Custom search engine.

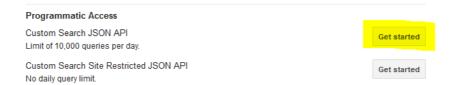




4- Make sure Image Search is enabled and take note of the Search Engine ID (cx)



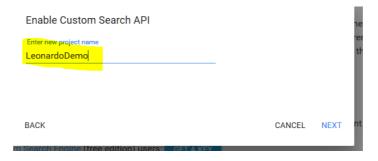
5- In programmatic Access press Get Started.



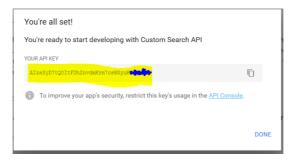
6- You need to get a key in order yo consume the Custom Search Engine API. Press GET A KEY

Custom Search JSON API requires the use of an API key. An API key is a way to identify your client to Google.

- Custom Search Engine (free edition) users:
   GET A KEY
- 7- Create a new project and press **NEXT**.



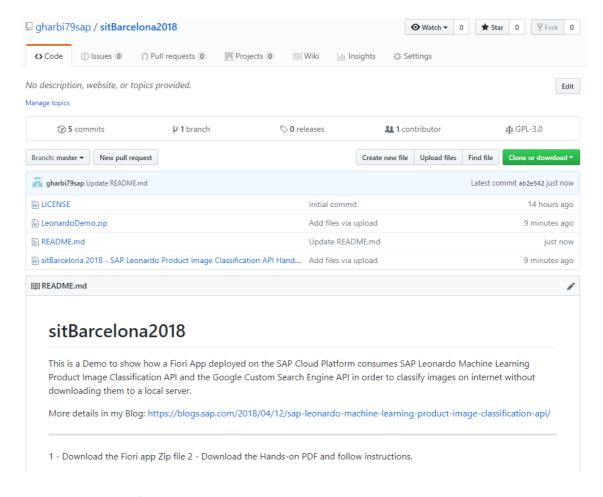
8- Take note of the API KEY





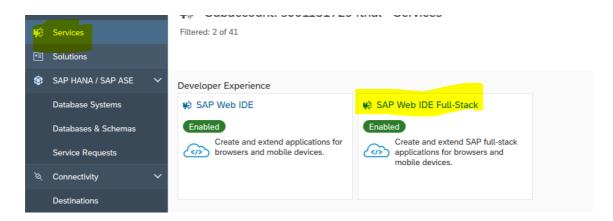
#### Fiori App on SAP Cloud Platform

- 1- Go to the Github repository and download the Fiori Sample App
- 2- Download the LeonardoDemo zip file.

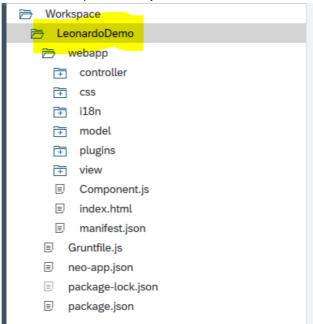


- 3- Sign in your SAP Cloud Platform Trial account
- 4- Go to services and then enable ang go to the **WebIDE** service.





5- Import the Zip you have downloaded into your workspace.



6- Go to Workspace->LeonardoDemo->webapp->controller->Home.controller.js and specify the three keys you obtained in previous steps (SAP API Key, cx, google API KEY)

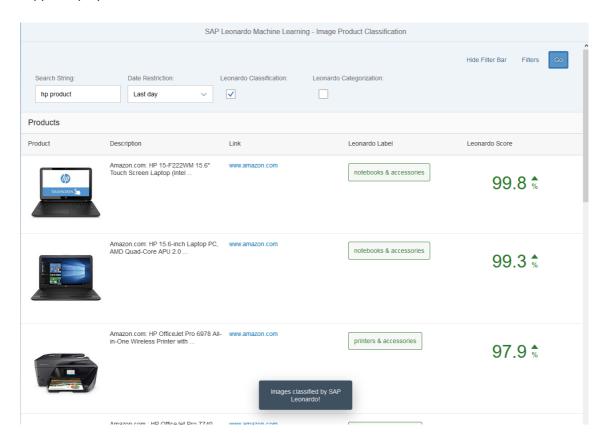
```
sap.ui.define([
    "sap/ui/core/mvc/Controller",
    "sap/ui/core/mvc/Controller",
    "sap/ui/core/mvc/Controller",
    "sap/ui/core/mvc/Controller",
    ".cplugins/jauery-image-blob.min",
    "sap/m/RessageTosat'
], function(Controller, JSONModel, imageblob, MessageToast) {
    "use strict";
    return Controller.extend("militeonardoBlogNil.controller.Home", {
        googleAPICx: "cgoogle_search_engice_id> (x)",
        googleAPIKey: "cgoogle_sei_key>"
        sapleonardoAPIKey: "csap.goi_key>"
        sapleonardoAPIRey: "csap.goi_key>"
        sapleonardoAPIRey: "csap.goi_key>",
        googleAPIEndPoint: "https://wnw.googleapis.com/customsearch/v1",
        sapleonardoAPIEndPoint: "https://sandbox.api.sap.com/m//prodimgclassifier/inference_sync",

aImgist: {
        "ImgGoogleColection": [],
        "ImgLeonardoCollection": [],
        "ImgLeonardoCollection": [],
        "ImgLeonardoCollection": [],
        "imgLoonardoCollection": [],
        "im
```

7- Check the rest of the code.



8- Run the app and play with it.



9- Check more details in my SAP Community Blog