**What is Computer Vision API?**

By uploading a picture or entering an image URL, the Microsoft Computer Vision API analyzes visual content in various ways based on inputs and user preferences. It is a cloud-based API tool that gives developers access to complex algorithms for processing images and delivering information.

**Getting Started**

If you want to use the Microsoft Azure Computer Vision API directly then you have to go through the subscription method for it. Although the service is paid, you may create a free subscription. Once your membership is complete, you must build a Computer Vision resource using the free price tier (F0) to test the service, and then upgrade later to a paying tier for production. As a consequence, you will receive Computer Vision Endpoint and Subscription Key.

**My API**

Using my API, you can connect to the Microsoft Azure Computer Vision API and use it’s Image Afeatures. This API makes your life easier by not going through any hassle of creating a Microsoft account, a subscription or managing the keys and endpoints

**API Link**

<http://162.243.174.82:3000/>

**EndPoints**

* */docs*

This endpoint connects to Swagger Documentation of the API. It describes the API schema, which provide machine-readable structured documentation of the API. It tells you what is needed to interact with the API.

You can use the ‘’try it out” option to test the API.

Graphical user interface, application

Description automatically generated

Background pattern

Description automatically generated

Try it out:

Graphical user interface, application

Description automatically generated with medium confidence

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| Response:   |  | | --- | | { | |  | "categories": [], | |  | "adult": { | |  | "isAdultContent": false, | |  | "isRacyContent": false, | |  | "adultScore": 0.026461338624358177, | |  | "racyScore": 0.04174456745386124 | |  | }, | |  | "color": { | |  | "dominantColorForeground": "Grey", | |  | "dominantColorBackground": "Grey", | |  | "dominantColors": [], | |  | "accentColor": "868345", | |  | "isBwImg": false, | |  | "isBWImg": false | |  | }, | |  | "imageType": { | |  | "clipArtType": 0, | |  | "lineDrawingType": 0 | |  | }, | |  | "tags": [ | |  | { | |  | "name": "grass", | |  | "confidence": 0.9999727010726929 | |  | }, | |  | { | |  | "name": "outdoor", | |  | "confidence": 0.9998019337654114 | |  | }, | |  | { | |  | "name": "elephant", | |  | "confidence": 0.9956455230712891, | |  | "hint": "animal" | |  | }, | |  | { | |  | "name": "animal", | |  | "confidence": 0.9864968657493591 | |  | }, | |  | { | |  | "name": "mammal", | |  | "confidence": 0.9369043707847595, | |  | "hint": "animal" | |  | }, | |  | { | |  | "name": "wildlife", | |  | "confidence": 0.17890632696055445 | |  | }, | |  | { | |  | "name": "zoo", | |  | "confidence": 0.12863805288890798 | |  | }, | |  | { | |  | "name": "african elephant", | |  | "confidence": 0.06024281449208271 | |  | } | |  | ], | |  | "description": { | |  | "tags": [ | |  | "grass", | |  | "outdoor", | |  | "elephant", | |  | "animal", | |  | "mammal", | |  | "standing", | |  | "field", | |  | "large", | |  | "walking", | |  | "green", | |  | "water", | |  | "eating", | |  | "grazing", | |  | "baby", | |  | "grassy", | |  | "white", | |  | "man", | |  | "herd" | |  | ], | |  | "captions": [ | |  | { | |  | "text": "a elephant that is standing in the grass", | |  | "confidence": 0.9696564121509516 | |  | } | |  | ] | |  | }, | |  | "faces": [], | |  | "requestId": "5a808e20-c70f-43da-af6e-31c05f281f87", | |  | "metadata": { | |  | "width": 1800, | |  | "height": 1200, | |  | "format": "Jpeg" | |  | } | |  | } | |

* */analyze*

This endpoint shows you the response from the Microsoft Azure Computer Vision API in a JSON format.

A successful response will be returned in JSON. If the request failed, the response will contain an error code and a message to help understand what went wrong.

It displays all the features the Computer Vision API can describe in the image you passed.

This API allows you to use the image url as the request and get the details of that image back as response.

**Image requirements**

Computer Vision can analyze images that meet the following requirements:

* The image must be presented in JPEG, PNG, GIF, or BMP format
* The file size of the image must be less than 4 megabytes (MB)
* The dimensions of the image must be greater than 50 x 50 pixels
* For the Read API, the dimensions of the image must be between 50 x 50 and 10000 x 10000 pixels.