

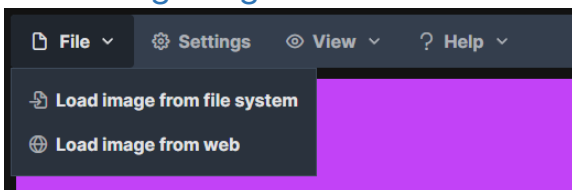


Documentation Date 2023/10/27

Software Version v0.4.0

1.0 Features

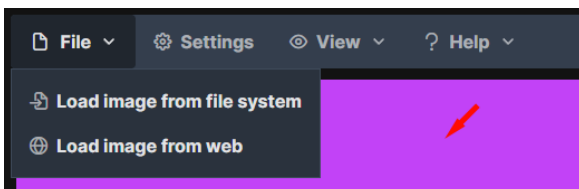
1.1 Adding images



There are two ways to add files from the menu.

1. Load image(s) from the file system
2. Load an image from a web URL

You can also add images by drag-and-dropping them onto the drop zone

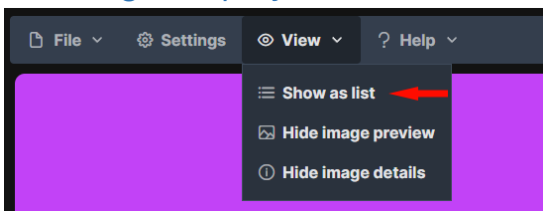


Images may have these MIME types:

MIME TYPE	FILE ENDINGS
IMAGE/JPEG	.jpg, .jpeg
IMAGE/PNG	.png
IMAGE/TIFF	.tif, .tiff
IMAGE/GIF	.gif
IMAGE/BMP	.bmp
IMAGE/WEBP	.webp
IMAGE/VND.MICROSOFT.ICON	.ico, .icon

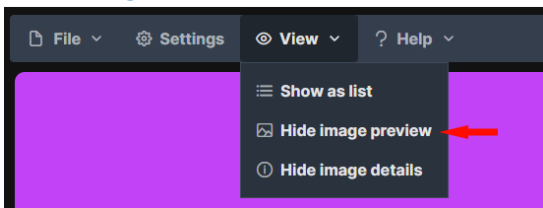
Images are only supported up to 10MB file size as Google Cloud Vision rejects images above this file size

1.2 Image Display



You can show the image list as either a list or gallery (Menu -> View -> Show as List/Gallery)

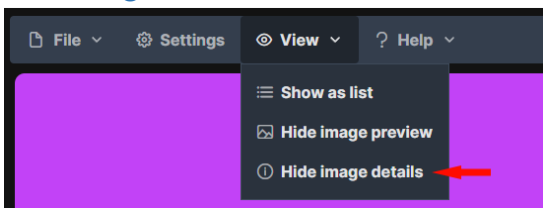
1.3 Image Preview



Show / Hide the image preview (300px x 300px) (Menu -> View -> Hide/Show Image preview)

The Image Preview shows the currently selected image or image that was selected first if multiple are selected

1.4 Image Details



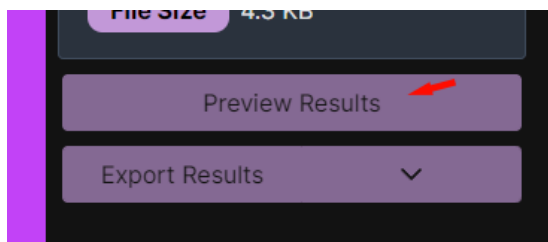
Show / Hide the image details (Menu -> View -> Hide/Show Image details)

The image details show the details of all selected images

Image details include:

	Value if 1 selected	Value if multiple selected
File Name	File name or random UUID if added from the internet	<i>Multiple files selected</i>
Image Width	Image width in pixel	<i>Multiple files selected</i>
Image Height	Image height in pixel	<i>Multiple files selected</i>
File Size	File size in human readable format	Total file size of all selected images

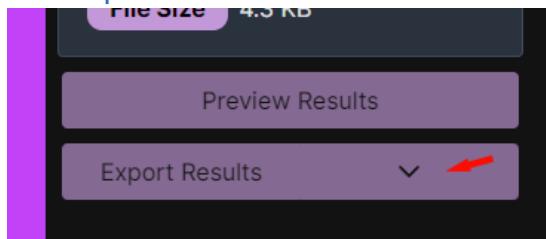
1.5 Result Preview



Review the results and modify the identified attributes.

Note that attributes may only be removed within the preview panel, not added

1.6 Export



Export the results as single XML, JSON or CSV to a file.

2.0 Settings

2.1 Stored Settings

Settings are stored to the disk through Electron-Store. The default store location varies depending on system. For windows users it is:

- C:\Users*YOUR_USERNAME*\AppData\Roaming\electron-store-nodejs\Config\config.json

2.2 Google Cloud Vision

2.2.1 Setup

As the identification provided by Google is **NOT** free, you will need to provide your **OWN** google cloud vision project to bill the costs to.

A setup guide can be found here:

<https://cloud.google.com/docs/authentication/provide-credentials-adc>

2.2.2 Features

2.2.2.1 Landmarks

<https://cloud.google.com/vision/docs/detecting-landmarks>

Landmark Detection detects popular natural and human-made structures within an image.

Name of the identified landmark	Saint Basil's Cathedral
The score assigned to it by the Vision API	0.78
Longitude	55.752912
Latitude	37.622316

2.2.2.2 Logos

<https://cloud.google.com/vision/docs/detecting-logos>

Logo Detection detects popular product logos within an image.

Name of the identified logo	Google
The score assigned to it by the Vision API	0.70

2.2.2.3 Labels

<https://cloud.google.com/vision/docs/labels>

The Vision API can detect and extract information about entities in an image, across a broad group of categories. Labels can identify general objects, locations, activities, animal species, products, and more. Labels are returned in English only.

Name of the identified label	Food
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2.2.2.4 Localized Objects

<https://cloud.google.com/vision/docs/object-localizer>

The Vision API can detect and extract multiple objects in an image with Object Localization. Object localization identifies multiple objects in an image. Object localization identifies both significant and less-prominent objects in an image. Object information is returned in English only.

Name of the identified Localized Object	Leg
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2.2.2.5 SafeSearch

<https://cloud.google.com/vision/docs/detecting-safe-search>

SafeSearch Detection detects explicit content such as adult content or violent content within an image. This feature uses five categories (adult, spoof, medical, violence, and racy) and returns the likelihood that each is present in a given image.

Adult	Represents the adult content likelihood for the image. Adult content may contain elements such as nudity, pornographic images or cartoons, or sexual activities.
Spoof	Spoof likelihood. The likelihood that a modification was made to the image's canonical version to make it appear funny or offensive.
Medical	Likelihood that this is a medical image.
Violence	Likelihood that this image contains violent content.
Racy	Likelihood that the request image contains racy content. Racy content may include (but is not limited to) skimpy or sheer clothing, strategically covered nudity, lewd or provocative poses, or close-ups of sensitive body areas.

Likelihood options are:

LIKELIHOOD TYPE	ASSOCIATED COLOR
UNKNOWN	Black
VERY_UNLIKELY	Teal
UNLIKELY	Blue
POSSIBLE	Purple
LIKELY	Orange
VERY_LIKELY	Red

Example SafeSearch result:

Adult	Teal	VERY_UNLIKELY
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2.2.2.6 Image Properties

<https://cloud.google.com/vision/docs/detecting-properties>

The Image Properties feature detects general attributes of the image, such as dominant color.

Color as hex code	#f1bca7ff
The score assigned to it by the Vision API	0.110234104
Pixel Fraction	0.014603174%
Percentage of the image with this color	

2.2.2.7a Web Detection#Web entities

<https://cloud.google.com/vision/docs/detecting-web>

Web Detection detects Web references to an image.

Name of the web entity	Carnival Rio de Janeiro
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2.2.2.7b Web Detection#Full matching images

<https://cloud.google.com/vision/docs/detecting-web>

Links to web sites that show the identified image in its entirety

URL	https://1000lugaresparair.files.wordpress.com/2017/11/quinten-de-graaf-278848.jpg
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2.2.2.7c Web Detection#Partial matching images

<https://cloud.google.com/vision/docs/detecting-web>

Links to web sites that show the identified image partially

URL	https://www.linnanneito.fi/wp-content/uploads/sambakarnevaali-riossa.jpg
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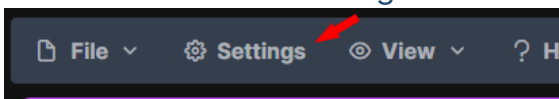
2.2.2.7d Web Detection#Pages with matching images

<https://cloud.google.com/vision/docs/detecting-web>

A Page with Matching Image is a web site that has the identified image somewhere on the page and the associated page title

URL	https://travelnoire.com/best-carnival-celebrations-around-the-world/ ,
Page Title	Best \u003cb\u003eCarnival\u003c/b\u003e Celebrations Around The World - Travel Noire

2.2.3 Cloud Vision Settings

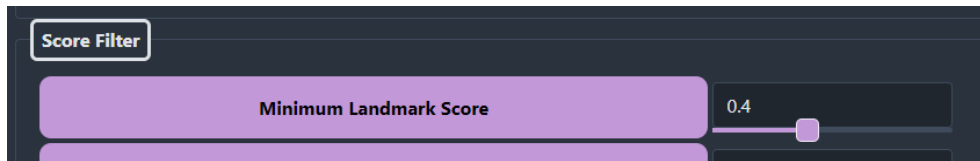


2.2.3.1 Identify Options

You can disable each feature individually through the on/off slider. If the slider is disabled, the feature will not be included in the final result



2.2.3.2 Score Filters



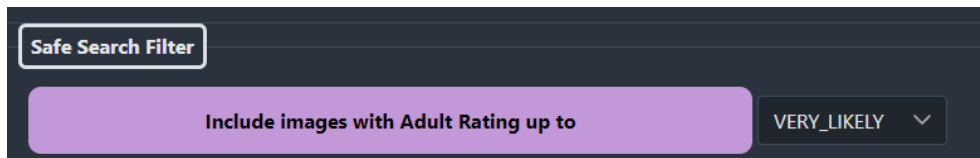
Landmarks, Logos, Labels, Localized Objects, Image Properties and Web Detection offer a 'score' associated with the attribute.

The score ranges from '0' (extremely uncertain) to '1' (extremely certain). Most identified scores are within the 0.4-0.7 range.

A '1' score is almost never reached, while a '0' score is usually omitted by default.

You can set these score filters. Note that manually set filters above '1' do not make a difference

2.2.3.3 Safe Search Filter



If the identified SafeSearch rating is above the filter you set, the image will not be added to the results.