## AI Visual Keywording with Google Cloud Vision API

## Introduction

Infradox has implemented an AI Visual Keywording interface in Infradox XS websites. This allows you to make use of $3^{\text {rd }}$ party AI API's to generate keywords for your images.
This document describes what you need to do to allow the use of the Google Cloud Vision API in your Infradox website.

## Prerequisites

First you need to set up a Google Workspace account if you don't already have that. Please visit https://workspace.google.com to create an account.

Next you need to set up a Google Cloud account in order to make use of Google Cloud AI services.
Please visit https://cloud.google.com to create your Google Cloud account.

## Enable Cloud Vision API

If you already have a Google Workspace account, you can also enable the Cloud Vision API by adding a Subscription in your Google Workspace Admin console (https://admin.google.com):

## $\equiv$ Admin

[^0]Subscriptions
Payment accounts
Get more services
License settings
,
Account

In the subscriptions view, click the Add or upgrade a subscription link to add a Cloud Identity Free subscription:


After completing the subscription registration, you can configure the Cloud Vision API in the Google Cloud console (https://console.cloud.google.com):

In the Cloud overview -> Dashboard there is an item APIs with a link Go to APIs overview:


Click the link ENABLE APIS AND SERVICES to add the Cloud Vision API:


API Library > "cloud vision api"

```
    = Filter Type to filter
```

        3 results
    | Visibility | $\boldsymbol{\wedge}$ |
| :--- | :--- |
| Public | $(3)$ |

## Cloud Vision API

Google Enterprise API (?
Integrates Google Vision features, including image labeling, face, logo, and landmark detection, optical ct detection of explicit content, into applications.

After the Cloud Vision API has been enabled, you can create an API key


In the credentials view, click the CREATE CREDENTIALS link and choose the API key option:


An API key will then be generated and shown in a separate popup window: You'll need to supply us with this API key in order to set up the Google Cloud Vision API in your Infradox XS website.

## API key created

Use this key in your application by passing it with the key=API_KEY parameter.

A This key is unrestricted. To prevent unauthorized use, we recommend restricting where and for which APIs it can be used. Edit API key to add restrictions. Learn more [ $\square$

It's also good practice to restrict the API key so it can only be used to access the Cloud Vision API. To do so, click the Edit API key link and add the restriction:

## Key restrictions

A This key is unrestricted. To prevent unauthorized use, we recommend restricting where and for which APIs it can be used. Learn more[ $\nearrow$

## Set an application restriction

Application restrictions limit an API key's usage to specific websites, IP addresses, Android applications, or iOS applications. You can set one application restriction per key.
( None
Websites
○ IP addresses

- Android apps
iOS apps


## API restrictions

API restrictions specify the enabled APIs that this key can call

Don't restrict key
This key can call any API
( Restrict key


[^0]:    (1) Home
    , 으 Directory

    - Гo Devices
    , ::: Apps
    - $\square$ Billing

