

Package ‘ORTSC’

July 21, 2025

Title Connects to Google Cloud API for Label Detection

Version 1.0.0

Author Mohamed Soudy [aut, cre],
Yasmine Afify [aut],
Nagwa Badr [aut]

Maintainer Mohamed Soudy <MohmedSoudy2009@gmail.com>

Description Connects to Google cloud vision <<https://cloud.google.com/vision>> to perform label detection and repurpose this feature for image classification.

License GPL-3

Encoding UTF-8

LazyData true

RoxygenNote 7.1.1

Imports utils , stats, googleAuthR, googleCloudVisionR

URL <https://github.com/MohmedSoudy/ORTSC>

BugReports <https://github.com/MohmedSoudy/ORTSC/issues>

NeedsCompilation no

Repository CRAN

Date/Publication 2021-02-10 16:30:07 UTC

Contents

authenticate	2
GetLabels	2
Index	4

authenticate	<i>Connects to Google Cloud API for user-authentication</i>
--------------	---

Description

This function can be used to authenticate users

Usage

```
authenticate(googleAuthR.client_id, googleAuthR.client_secret)
```

Arguments

googleAuthR.client_id	Client id provided by Google API cloud service
googleAuthR.client_secret	Client secret provided by Google API cloud service

Value

a vector of objects

Author(s)

Mohmed Soudy <Mohamed.soudy@57357.com>, Yasmine Afify <yasmine.afify@cis.asu.edu.eg>, and Nagwa Badr <Nagwabadr@cis.asu.edu.eg>

GetLabels	<i>Connects to Google Cloud API label detection and perform multiple object detection</i>
-----------	---

Description

This function can be used to classify image based on objects detected

Usage

```
GetLabels(ImagePaths)
```

Arguments

ImagePaths	vector of complete image's paths
------------	----------------------------------

Value

a vector of objects

Author(s)

Mohmed Soudy <Mohamed.soudy@57357.com>, Yasmine Afify <yasmine.afify@cis.asu.edu.eg>, and Nagwa Badr <Nagwabadr@cis.asu.edu.eg>

Examples

```
## Not run:  
  GetLabels(https://cloud.google.com/vision/docs/images/crop\_both.jpeg)  
  
## End(Not run)
```

Index

authenticate, [2](#)

GetLabels, [2](#)