

CLOUD COMPUTING

GOOGLE CLOUD PLATFORM



COS'È IL CLOUD COMPUTING ?



PERCHÉ UTILIZZARE IL CLOUD COMPUTING ?



■ Risparmio di denaro

■ Maggiore tempestività

■ Riduzione dei rischi

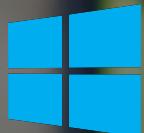
■ Maggiore stabilità

■ Maggiore velocità

I MAGGIORI PROVIDER



Google Cloud Platform



Microsoft Azure



amazon
web services

CLASSIFICAZIONE



“IaaS”
Infrastructure
as a service



“PaaS”
Platform as a
service



“SaaS”
Software as a
service



**PERCHÉ SCEGLIERE
GOOGLE PLATFORM ?**

SERVIZI OFFERTI



Calcolo



Archiviazione
e Database



Machine
Learning



Big Data



Networking



Sicurezza



Strumenti
di gestione



Strumenti
di sviluppo



SICUREZZA



Security Key Enforcement



Google Security Model



Cloud Security Scanner



Servizio cloud di gestione delle chiavi d'accesso



STRUMENTI DI SVILUPPO



Cloud Android Studio



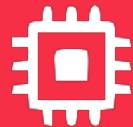
Cloud Visual Studio



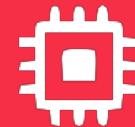
Cloud Make IntelliJ



Cloud PowerShell



CALCOLO



VMs scalabili ed a alte prestazioni



Creazione app, scalate automaticamente



Gestione automatizzata dei Container

Immagini Container private (Docker)



Serverless app nell'infrastruttura di Google





NETWORKING



Autoscaling e bilanciamento del carico



Content Delivery Network



Rete DNS globale affidabile



Interconnessioni ad alte velocità



Gestione automatizzata dei Container



MACHINE LEARNING



Servizio di Machine Learning



Ricerca di nuovi lavori



Potente analisi di video, immagini
e testi

Potente riconoscimento vocale



Traduzione veloce e dinamica



STRUMENTI DI GESTIONE



Google Cloud API



Monitoraggio ed allerta delle eccezioni in tempo reale



App per smartphone



Google Cloud Deployment Manager



Monitoraggio delle prestazioni ed analisi



ARCHIVIAZIONE E DATABASE

Archiviazione Google Cloud

Cloud Spanner

Cloud SQL

Cloud Datastore

Cloud Bigtable

Persistent Disk



BIG DATA



Data Warehouse



Analizzazione di dati
da Stream e Batch



Gestione servizi di
Hadoop & Spark

Potente esplorazione dei dati

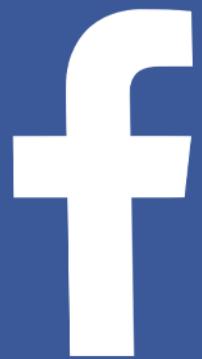


Google Cloud Dataprep



Google Cloud Pub/Sub





IL PROJECT WORK



New Applet

if **this** then **that**



Choose trigger

Step 2 of 6

Post recommended by you

This Trigger fires every time you recommend a post on Medium.

Post bookmarked by you

This Trigger fires every time you bookmark a post on Medium.

Post published by you

This Trigger fires every time you publish a post on Medium.

New Applet

if  then  that



Choose action

Step 4 of 6

Post a tweet

This Action will post a new tweet to your Twitter account. NOTE: Please adhere to Twitter's Rules and Terms of Service.

Post a tweet with image

This Action will post a new tweet to your Twitter account with a linked pic.twitter.com image. NOTE: Please adhere to Twitter's Rules and Terms of Service.

Send a direct message to yourself

This Action will send a direct message to your Twitter account. NOTE: Please adhere to Twitter's Rules and Terms of Service.

Update profile picture

This Action will update your profile picture from the image URL you specify and optionally tweet about it. NOTE: Please adhere to Twitter's Rules and Terms of Service.

New Applet



Complete action fields

Step 5 of 6

Post a tweet

This Action will post a new tweet to your Twitter account. NOTE: Please adhere to Twitter's Rules and Terms of Service.

Tweet text (required)

Scopri la tecnologia insieme a noi
#Medium #Social #Tech :“
PostTitle” PostUrl

Add ingredient

Create action

Review and finish

Step 6 of 6



If post published by you, then
post a tweet to @SMSA_2017

by socialmediasmartapps

57/140

works with

If post published by you, then post a tweet to @SMSA_2017

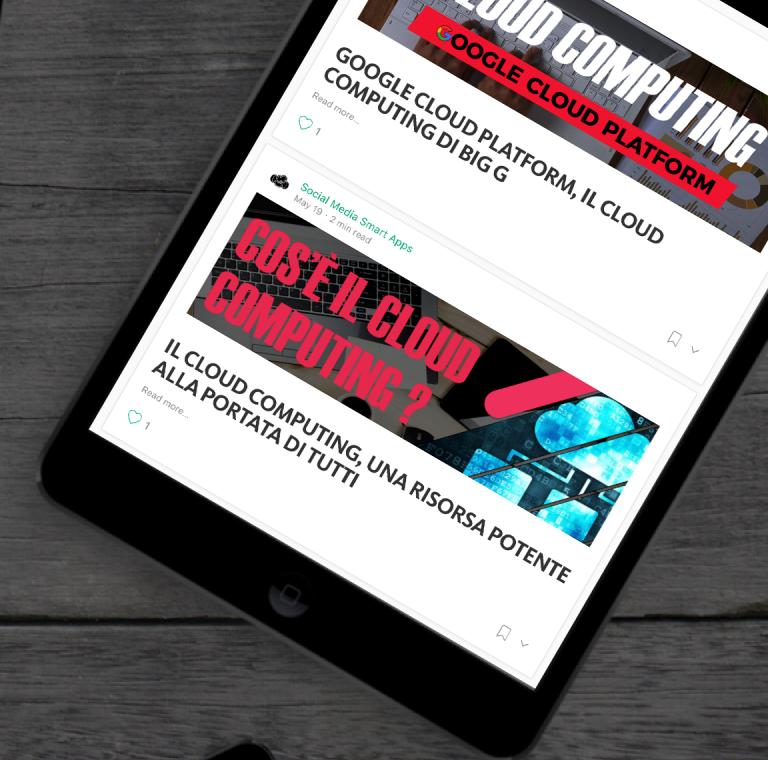
by @socialmediasmartapps

On

Created on May 19 2017
Last run about 2 hours ago
Run 2 times
This Applet usually runs within an hour

Check now

works with





Google Cloud



```
test.py
1 import io
2 from google.cloud import vision
3
4 vision_client = vision.Client()
5 file_name = 'ferrari.png'
6
7 with io.open(file_name,'rb') as image_file:
8     content = image_file.read()
9     image = vision_client.image(content=content)
10
11 labels = image.detect_labels()
12
13 for label in labels:
14     print(label.description, text.score)
15
```



Car

92%

Formula One Car

92%

Formula One

88%

Auto Racing

88%

Formula Racing

88%

Open Wheel Car

85%

Racing

82%

Race Car

79%

Motorsport

66%



Kimi Räikkönen

Sebastian Vettel

2016 Formula One season

2017 Formula One season

Ferrari S.p.A.

Ferrari

Formula One car

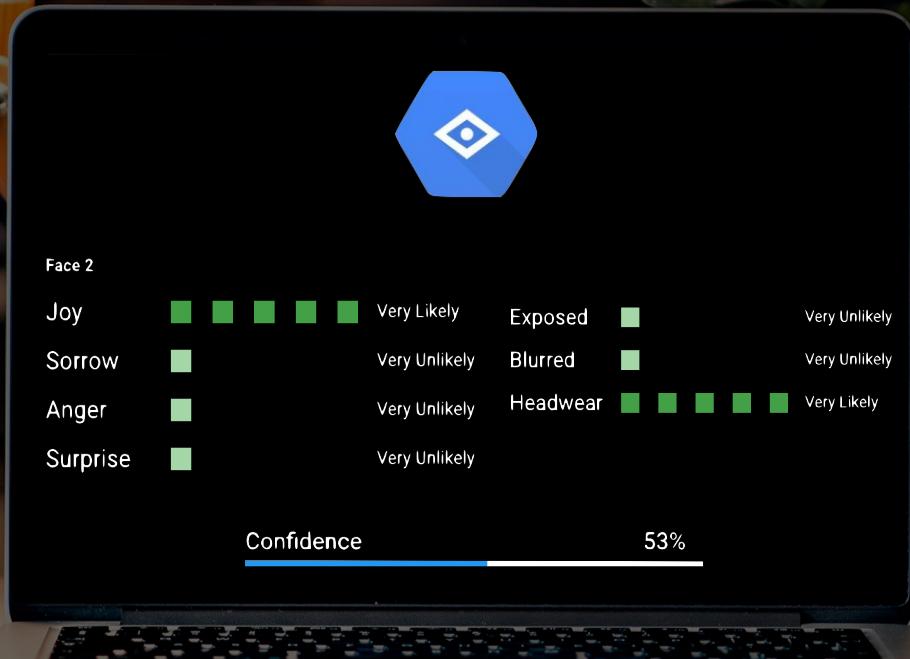
Ferrari SF16-H

Car

Scuderia Ferrari

Formula racing

Auto racing





A <Santander>₁ A <Santander>₁ AS <Itan>₃,
<Santander Clarid>₂ <ER HSantander>₄ <CHN IRELL>₅
PER VAD O <Santander>₁

E1 Santander LOCATION

E2 Santander Clarid PERSON

E3 Itan OTHER

E5 CHN IRELL OTHER



GRAZIE PER L'ATTENZIONE

**Fabio Dainese
857661**



Università
Ca' Foscari
Venezia