Using Web-APIs in Pylhon for ML

1st Harch 2020



Agenda:

1. What is a web-API?

2. code-walk-through: Speech to lext using Google Cloud API

3. code: dalà-collection Using Bing API (AZURE)



Function-calls in Python

```
f ("Szikanth")
```

```
def f (name):
print ("Hello"+name)
```



web-APIs:



Google Speech to lext

https://cloud.google.com/speech-to-text/

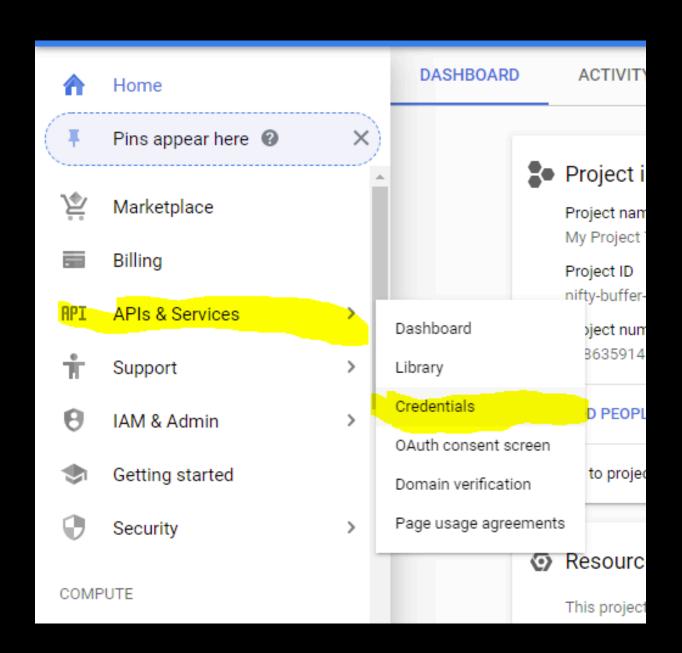


Set-up a Google cloud account — needs a valid credit - card to create an account

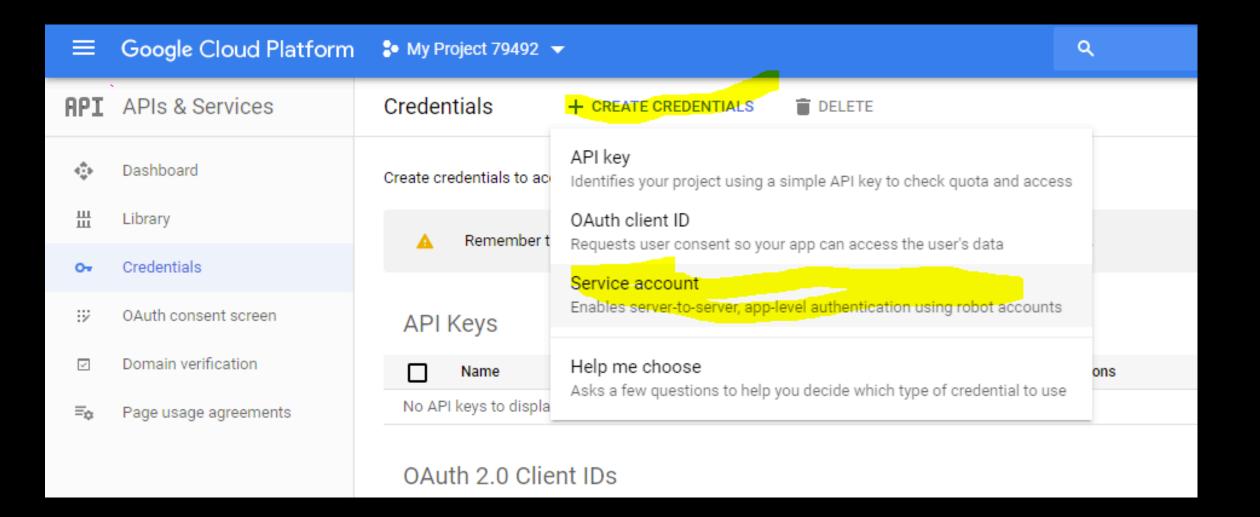
https://console.cloud.google.com/



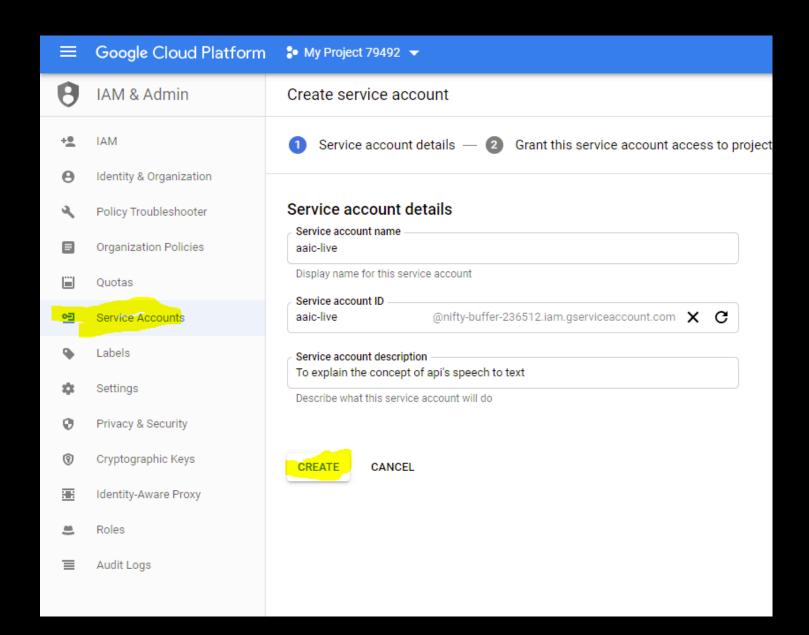
API-Key:





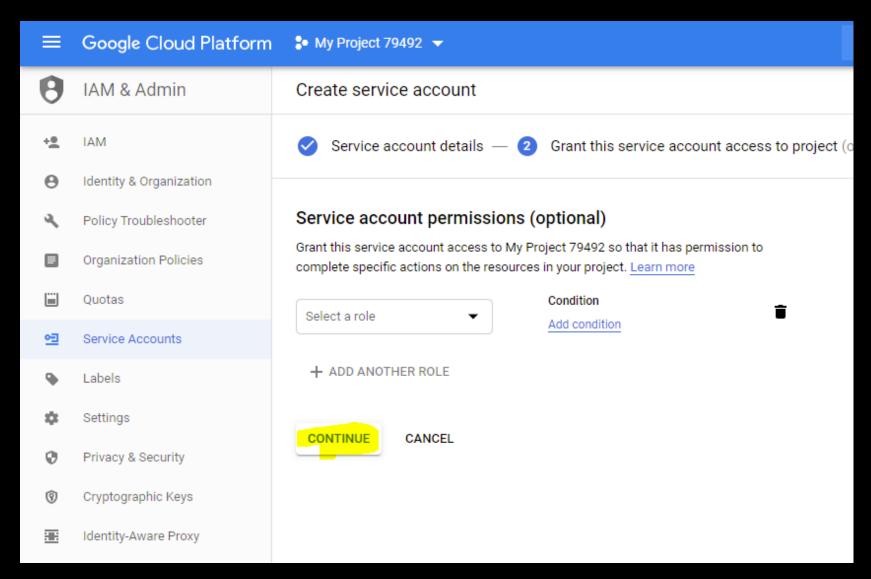






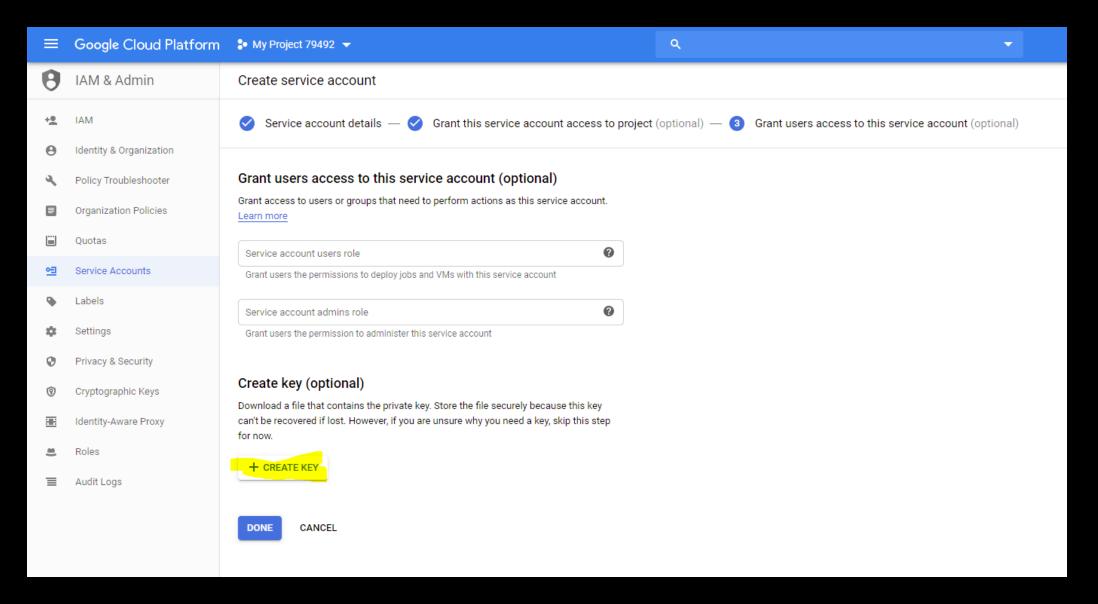
Just fill this form.



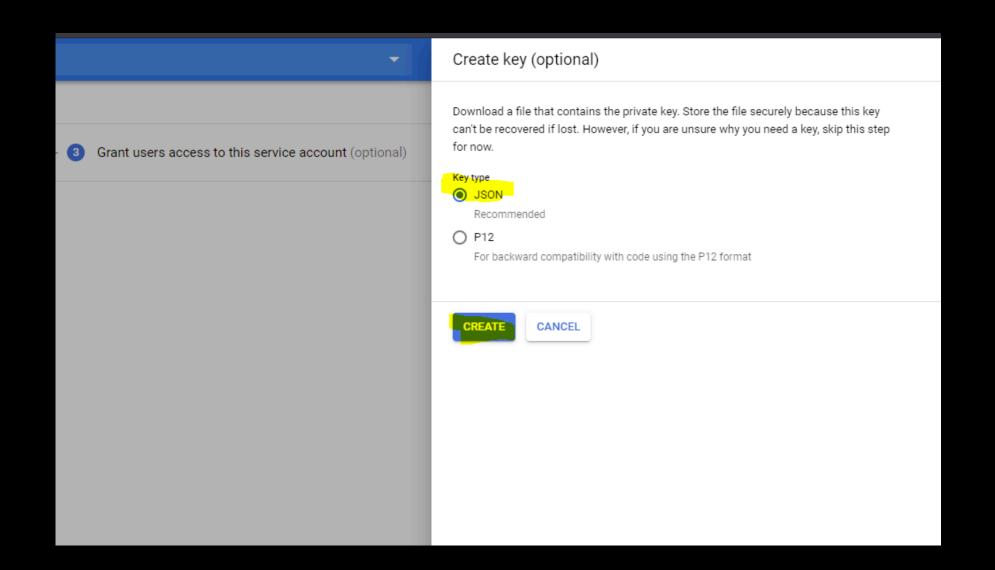




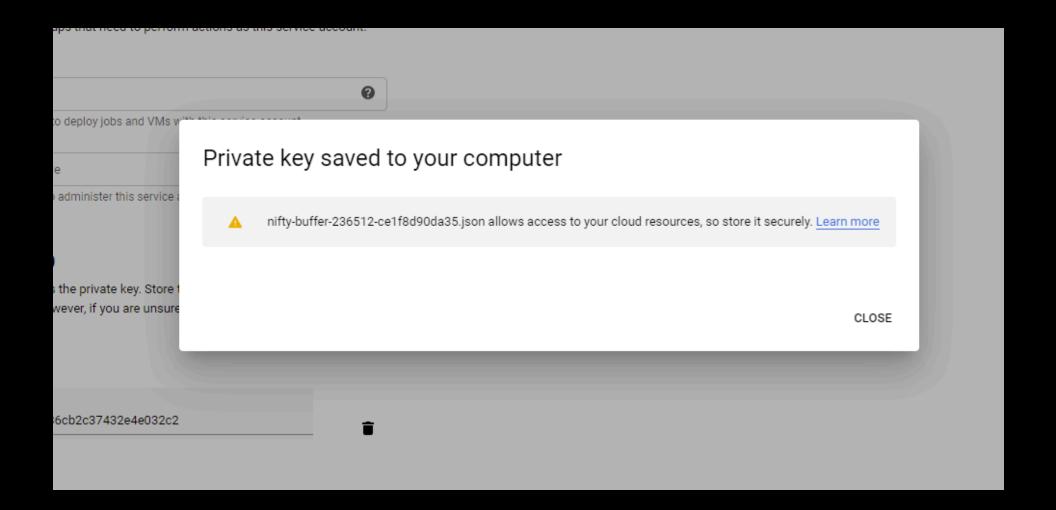














renamed it to api-key-json

```
🔝 api-key.json 🔍
C: > Users > AAIC > Pictures > apis > gcp > {--} api-key.json > ...
          "type": "....",
          "project_id": "....",
          "private_key_id": ".....",
          "private_key": "......
          "client_email": "....",
          "client_id": "....",
          "auth_uri": "....",
          "token_uri": "....",
  10
          "auth_provider_x509_cert_url": "....",
          "client_x509_cert_url": "...."
  11
  12
  13
  14
  15
```



Code on Google-colab so that you can easily son it!



Bing-Search APIs:

Go to the URL and follow the steps Under Bing Search APIs v7 section. Most of it is self explanatory https://azure.microsoft.com/en-in/try/cognitive-services/?api=search-api-v7

[After signing up, you will get couple of keys which are valid for 7 days, copy and use them]

-> Let's build the API- calling from scratch

-> Back to Google Colab.



