

SDE Lab 03 : REST ADVANCED

Please read this document carefully.

BEFORE THE LAB

VirtualBox and OVA image

Prior to the lab, make sure to install the VirtualBox and download the OVA image. You can obtain the VirtualBox compatible OVA image by visiting this link:

[VM for Windows](#)

If you are using MacOS, download the folder for UTM from this link:
[VM for MAC](#)

SUBSCRIPTION of the APIs

This lab is planned in such way that, we are using three different APIs for the demonstration purpose and explore the logic/process of the REST Service. We are using Humor API to create the random jokes, and the jokes created are translated to Italian using the Microsoft Translator and further the translated texts are converted to Speech using the Text to Speech APIs.

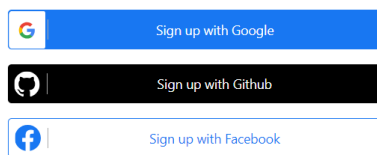
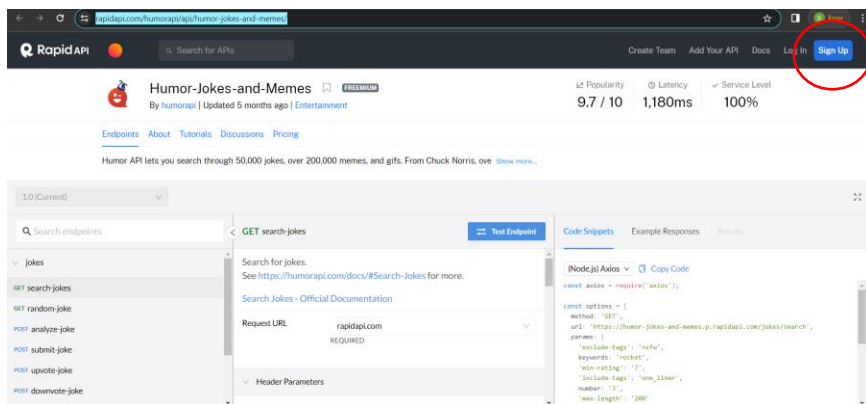
All the APIs we are using are from [Rapid API](#) website so at first you have to create an account and sign up.

After creating account, in order to use the APIs, you need to subscribe for each APIs (don't worry, they are free) and get your own API keys which you would require to use during the Examples and Assignment.

The process of subscribing for different APIs are same. As a demo, we have shown you the process for only one API service. You can follow same process for other APIs.

Here are the links and process of subscribing the APIs and getting your API keys.

1. [Humor API](#)
2. [Microsoft Translator API](#)
3. [Text to Speech API](#)



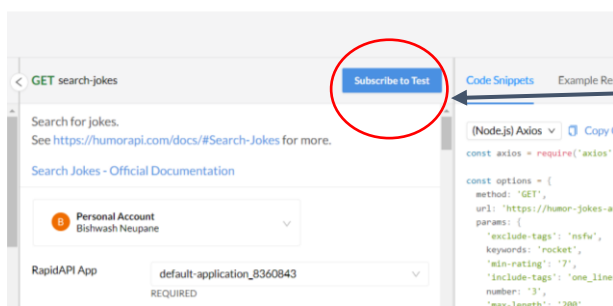
You have different options to sign up

OR

Username (required)

Email (required)

Password (required)



	Basic
Objects	\$0.00 / mo
	Subscribe
Characters	500,000 / month Hard Limit
Rate Limit	1000 requests per hour

Select the basic plan,



Attention, there are limit, 10 jokes per day for Humor API and 1000 request per hour for the Text translator

Payment Summary

Microsoft Translator Text Basic Plan	\$0.00
Total Due Today	Free

[Subscribe](#)


By clicking Pay Now, you agree to the RapidAPI [Terms of Use](#).

It leads to your payment summary, click Subscribe

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Voila, you subscribed successfully, now to get your individual API key, to find your API key, click the Endpoints button



Subscription Created Successfully

[Start using your API - API Documentation](#)

POST Text To Speech [Test Endpoint](#)

REQUIRED

▼ Header Parameters

X-RapidAPI-Key	48251645edmsh706e31cc343e035p131e03jsn0b07c5
ENUM	REQUIRED
X-RapidAPI-Host	text-to-speech53.p.rapidapi.com
STRING	REQUIRED

Now if you scroll down, you see your unique API key, you need to use this key during the example