

SENDGRID INTEGRATING WITH PYTHON

Date	18 November 2022
Team ID	PNT2022TMID33084
Project name	Nutrition Assistant application

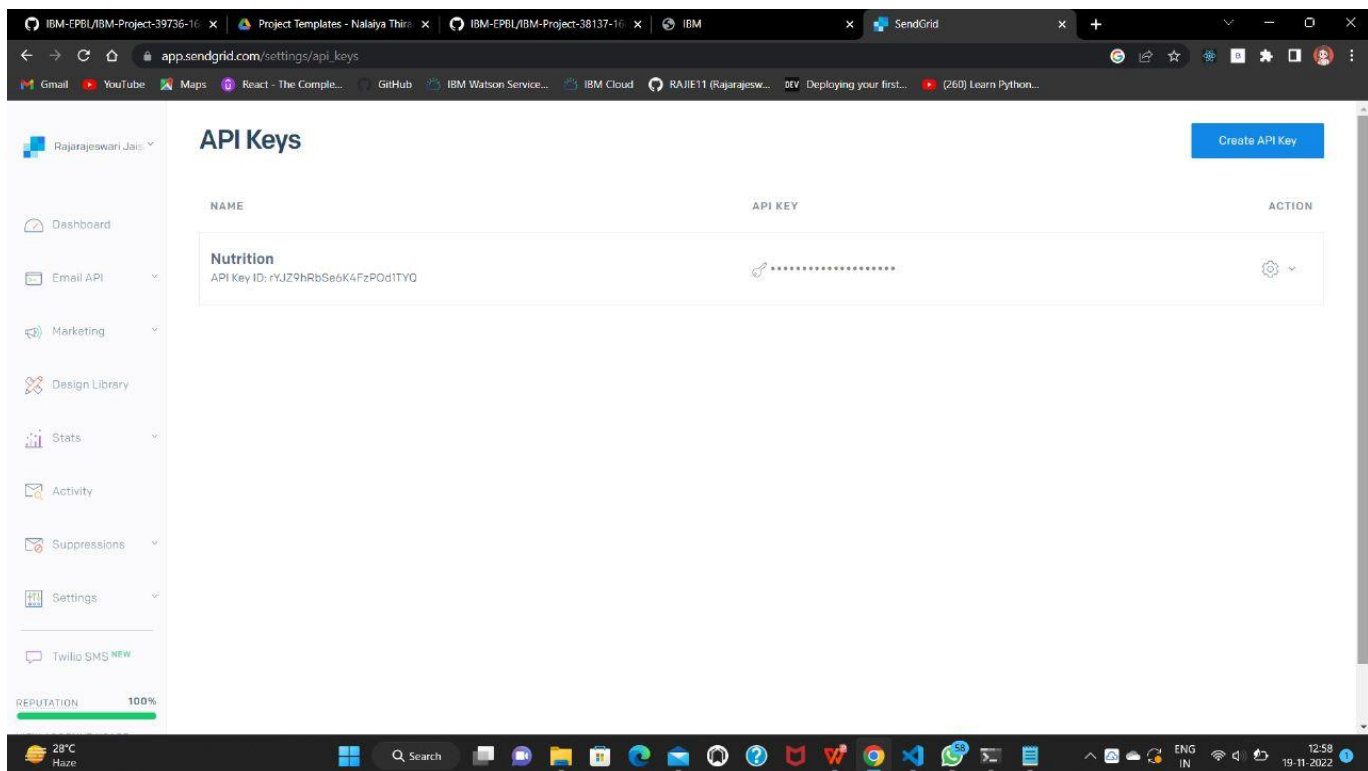
Step 1:

Requirement:

Python 2.6 , 2.7 , 3.4 or 3.5

Step 2:

Creating an API



This screenshot shows the Visual Studio Code editor with a Python file named `sendgrid.py` open. The code imports the `sendgrid` and `os` modules, and uses `sendgrid.helpers.mail` to create an email object. It then initializes a `SendGridAPIClient` with an API key from environment variables, creates an email object with a from address, to address, subject, and content, and finally sends the email using `sg.client.mail.send.post`. The response status code, body, and headers are printed.

```
1 import sendgrid
2 import os
3 from sendgrid.helpers.mail import *
4
5 sg = sendgrid.SendGridAPIClient(api_key=os.environ.get('SENDGRID_API_KEY'))
6 sg = sendgrid.SendGridAPIClient(api_key=os.environ.get('SG.rYJZ9hRbSe6K4FzP0d1TYQ.66m1NJKNMQX0usqLZyFFbQX'))
7 from_email = Email("rajierajie465@gmail.com.com")
8 to_email = To("rajierajie465@gmail.ocm.com")
9 subject = "Sending with SendGrid is Fun"
10 content = Content("text/plain", "and easy to do anywhere, even with Python")
11 mail = Mail(from_email, to_email, subject, content)
12 response = sg.client.mail.send.post(request_body=mail.get())
13 print(response.status_code)
14 print(response.body)
15 print(response.headers)
16
17
```

This screenshot shows the Visual Studio Code editor with a Python file named `sendmail.py` open. The code imports `os`, `SendGridAPIClient` from `sendgrid`, and `Mail` from `sendgrid.helpers.mail`. It creates a `Mail` object with a from email, to email, subject, and HTML content. A `try` block contains the initialization of `SendGridAPIClient` and the `sg.send` method call to send the message. The response status code, body, and headers are printed. An `except` block catches any exceptions and prints the error message.

```
1 import os
2 from sendgrid import SendGridAPIClient
3 from sendgrid.helpers.mail import Mail
4
5 message = Mail(
6     from_email='from_email@example.com',
7     to_emails='to@example.com',
8     subject='sending with Twilio SendGrid is Fun',
9     html_content='<strong>and easy to do anywhere,even with python</strong>')
10
11 try:
12     sg = SendGridAPIClient(os.ernviron.get('SENDGRID_API_KEY'))
13     response = sg.send(message)
14     print(response.status_code)
15     print(response.body)
16     print(response.headers)
17 except Exception as e:
18     print(e.message)
```