

Integrating SendGrid Service

Date	22 NOVEMBER 2022
Team ID	PNT2022TMID292270
Project Name	Project – Customer Care Registry

1. Send integration with python code

The screenshot displays the Visual Studio Code interface with a Python script named `Sendgrid.py` open. The script imports `SendGridAPIClient` and `Mail` from the `sendgrid` library. It constructs a `Mail` object with a from email, to email, subject, and HTML content. The script then creates a `SendGridAPIClient` instance with an API key and sends the email, printing the response status code, body, and headers. The terminal window shows the command to run the script and the resulting HTTP response from SendGrid.

```
3 from sendgrid import SendGridAPIClient
4 from sendgrid.helpers.mail import Mail
5
6 message = Mail(
7     from_email='IBMCustomerCareRegistry@gmail.com',
8     to_emails='varshini02122001@gmail.com',
9     subject='Sending with Twilio SendGrid is Fun',
10    html_content='<strong>and easy to do anywhere, even with Python</strong>')
11
12 try:
13     sg = SendGridAPIClient('SG.LUKTk2P2Qz6zTKeU_Fehhw.IwLT8U35rtCLUGUM9Gw9o_bgDXaD-HWIS800HjNAUA')
14     response = sg.send(message)
15     print(response.status_code)
16     print(response.body)
17     print(response.headers)
18 except Exception as e:
19     print(e.message)
```

```
PS C:\Users\VARSHINI\OneDrive\Documents\Assignments> c:: cd 'C:\Users\VARSHINI\OneDrive\Documents\Assignments'; & 'C:\Program Files\Python39\python.exe' 'c:\Users\VARSHINI\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonfiles\lib\python\debugpy\launcher' '56748' '-.' 'c:\Users\VARSHINI\OneDrive\Documents\Assignments\Sendgrid.py'
202
b""
Server: nginx
Date: Sat, 19 Nov 2022 05:19:33 GMT
Content-Length: 0
Connection: close
X-Message-Id: oadK6AMRSfyx_90jYTLV9A
Access-Control-Allow-Origin: https://sendgrid.api-docs.io
Access-Control-Allow-Methods: POST
Access-Control-Allow-Headers: Authorization, Content-Type, On-behalf-of, x-sg-elas-acl
Access-Control-Max-Age: 600
X-No-CORS-Reason: https://sendgrid.com/docs/classroom/basics/API/cors.html
```