

Integrating SendGrid Service

DATE	15-Nov-2022
TEAM ID	PNT2022TMID22468
PROJECT	PLASMA DONOR APPLICATION

The screenshot shows a web browser window with the URL `app.sendgrid.com/settings/api_keys`. The browser's address bar and tabs are visible at the top. The page content is divided into a left sidebar and a main area. The sidebar contains a user profile 'Gayathiri RB' and a list of navigation items: Dashboard, Email API, Marketing, Design Library, Stats, Activity, Suppressions, and Settings. The main area is titled 'API Keys' and features a 'Create API Key' button in the top right corner. Below this, there is a table with three columns: NAME, API KEY, and ACTION. The table contains one entry for 'Plasma Donor Application' with an API Key ID of 'WczAUh-FTSq0ceg5ifY9w'. The API key itself is masked with dots. An action icon (a gear) is visible in the ACTION column for this entry. The bottom of the image shows a Windows taskbar with various application icons and a system tray displaying the date and time as 7:24 PM on 11/15/2022.

NAME	API KEY	ACTION
Plasma Donor Application API Key ID: WczAUh-FTSq0ceg5ifY9w	*****	

```

import sendgrid
import os
from sendgrid.helpers.mail import *
sg = sendgrid.SendGridAPIClient(api_key)
from_email = Email("rbgayathiri5@gmail.com")
to_email = To("harinibalu27@gmail.com")
subject = "Your little efforts can give others second chances to live life."
content = Content("text/plain", "Thank you for choosing our plasma donor application for donating plasma. Your account has been created and one step ahead to go, please")
mail = Mail(from_email, to_email, subject, content)
response = sg.client.mail.send.post(request_body=mail.get())
print(response.status_code)
print(response.body)
print(response.headers)

```



```

plasma.py X
C:\Users\Monisha> OneDrive\Documents\plasma.py > ...
1  import sendgrid

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
Python + ENG

Windows PowerShell
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PS C:\Users\Monisha> & C:/Users/Monisha/AppData/Local/Microsoft/WindowsApps/python3.10.exe c:/Users/Monisha/OneDrive/Documents/plasm
a.py
202
b''
Server: nginx
Date: Sat, 12 Nov 2022 05:11:32 GMT
Content-Length: 0
Connection: close
X-Message-Id: tF8urc1YTUi8KKL0vp4PnA
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
Strict-Transport-Security: max-age=600; includeSubDomains

```

