INREGRATING SENDGRID SERVICE

TEAM ID:	PNT2022TMID01257
PROJECT NAME:	CUSTOMER CARE REGISTRY
COLLEGE NAME:	PANIMALAR ENGINEERING COLLEGE

STEP 1:

Sign up for a sendgrid account

```
PS C:\Users\RNR\Desktop\PYTHON-SENDGRID\config.ini> export SENDGRID_API_KEY=<Your API Key>
```
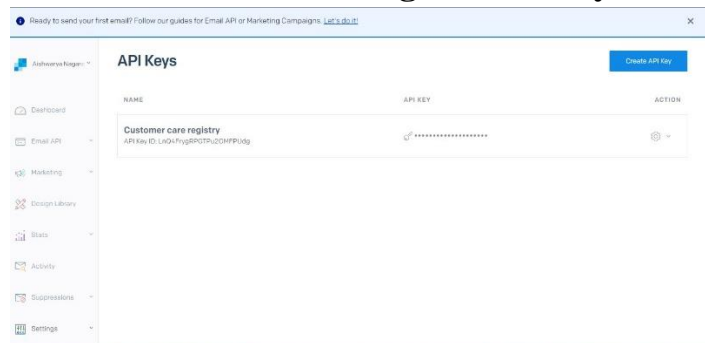
STEP 2:

Enable Two-Factor Authentication

STEP 3:

```
PS C:\Users\RNR\Desktop\PYTHON-SENDGRID\config.ini> pip --version
pip 22.3.1 from C:\Users\RNR\AppData\Local\Programs\Python\Python311\Lib\site-packages\pip (python 3.11)
```

STEP 4:
Create and Store a Sendgrid API Key

STEP 5:

Initialize your Project

```
C:\Users\RNR>python --version
Python 3.11.0
```

STEP 6:

Install the Helper Library

```
PS C:\Users\RNR\Desktop\PYTHON-SENDGRID\config.ini> pip install sendgrid
```

```
PS C:\Users\RNR\Desktop\PYTHON-SENDGRID\config.ini> pip install sendgrid
Requirement already satisfied: sendgrid in c:\users\rnr\appdata\local\programs\python\python311\lib\site-packages (6.9.7)
Requirement already satisfied: python-http-client>=3.2.1 in c:\users\rnr\appdata\local\programs\python\python311\lib\site-packages (from sendgrid) (3.3.7)
Requirement already satisfied: starkbank-ecdsa>=2.0.1 in c:\users\rnr\appdata\local\programs\python\python311\lib\site-packages (from sendgrid) (2.2.0)
```

SENDGRIND INTEGRATION WITH PYTHON CODE:
SOURCE

```python
import configparser
import ssl
ssl._create_default_https_context = ssl._create_unverified_context
from sendgrid import SendGridAPIClient
from sendgrid.helpers.mail import Mail

config = configparser.ConfigParser()
config.read("config.ini")

def sendMailUsingSendGrid(API,from_email,to_emails,subject,html_content):
    if API!=None and from_email!=None and len(to_emails)>0:
        message = Mail(from_email,to_emails,subject,html_content)
        try:
            sg = SendGridAPIClient(API)
            response = sg.send(message)
            print(response.status_code)
            print(response.body)
            print(response.headers)
        except Exception as e:
            print(e.message)
```

```python
        except Exception as e:
            print(e.message)



try:
    settings = config["SETTINGS"]
except:
    settings = {}

API = settings.get("APIKEY",None)
from_email = settings.get("FROM",None)
to_emails = settings.get("TO","")


subject = "Hello"
html_content = "Happy to Learn.."

sendMailUsingSendGrid(API,from_email,to_emails,subject,html_content)
```

Integrate using our Web API or SMTP Relay

- ✓ Overview
- ✓ Integrate
- ⊙ Verify

It worked!

We successfully received your email. Your setup is complete!

View Email Activity   **View Documentation**