

SendGrid Integration with Python Code

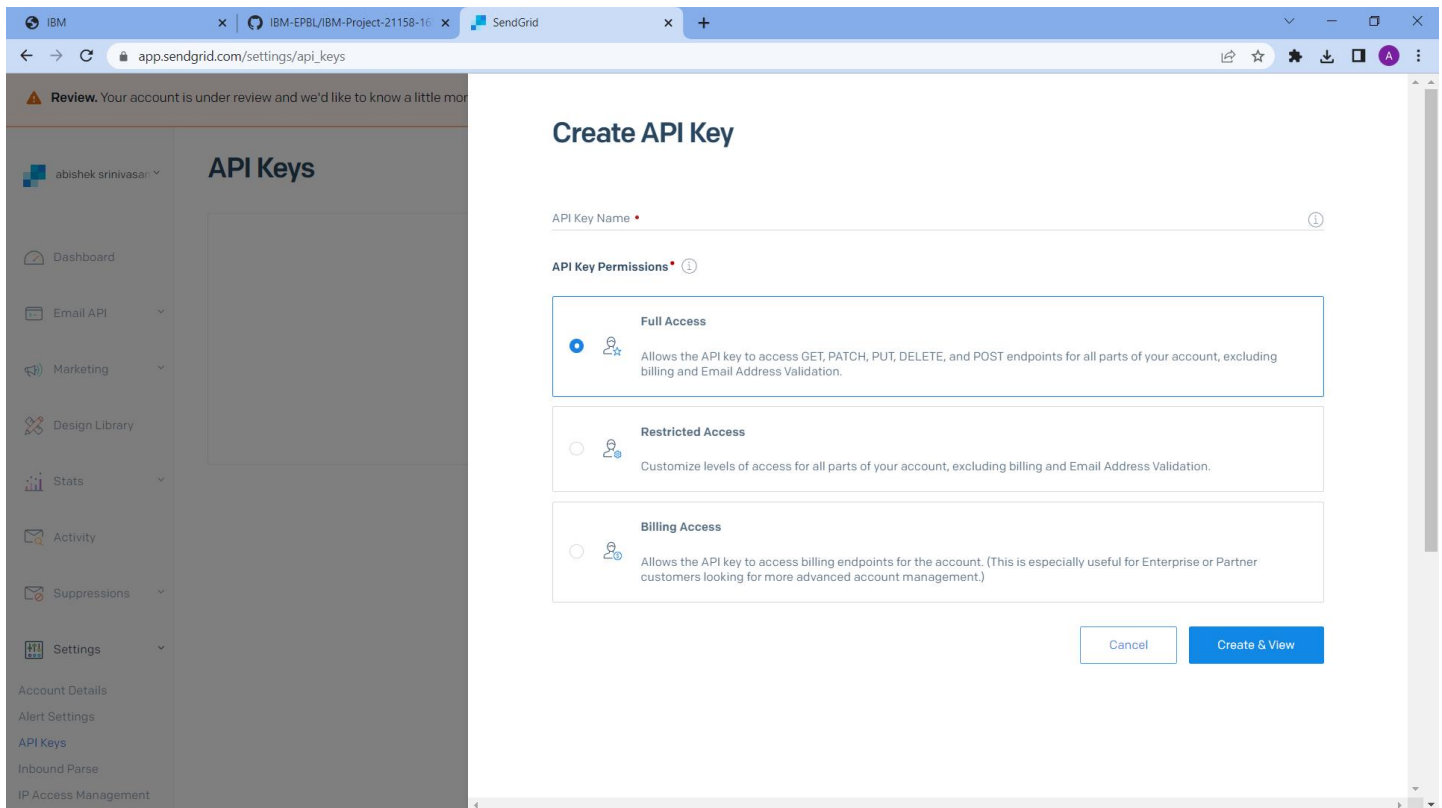
Install Send-grid:

```
Command Prompt
Microsoft Windows [Version 10.0.19044.2251]
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C:\Users\Abi>pip install sendgrid
Requirement already satisfied: sendgrid in c:\python310\lib\site-packages (6.9.7)
Requirement already satisfied: starkbank-ecdsa>=2.0.1 in c:\python310\lib\site-packages (from sendgrid) (2.2.0)
Requirement already satisfied: python-http-client>=3.2.1 in c:\python310\lib\site-packages (from sendgrid) (3.3.7)

C:\Users\Abi>
```

Create API Key:



Python Code:

```
conn= ibm_db.connect("DATABASE=bludb;HOSTNAME=55fbc997-9266-4331-afd3-888b05e734c0.bs2io90l08kqb1od8lcg.databases.appdoma

app = Flask(__name__)

app.config['SECRET_KEY'] = 'top-secret!'
app.config['MAIL_SERVER'] = 'smtp.sendgrid.net'
app.config['MAIL_PORT'] = 587
app.config['MAIL_USE_TLS'] = True
app.config['MAIL_USERNAME'] = 'apikey'
app.config['MAIL_PASSWORD'] = os.environ.get('SENDGRID_API_KEY')
app.config['MAIL_DEFAULT_SENDER'] = os.environ.get('MAIL_DEFAULT_SENDER')
mail = Mail(app)
```

```
donor_list = []
for i in listt:
    donor_list.append(i["EMAIL"])

try:
    msg = Message('Urgent!! Plasma needed!!', recipients=donor_list)

    content = "This email is sent from Plasma Donor Application! \n"+"Request for plasma was made by: \n"+"Name: "+name+"\n Email:

    msg.body = content
    msg.html = f'<p>This email is sent from Plasma Donor Application!</p> \n <p>Request for plasma was made by: {name}</p> \n <p>P
    mail.send(msg)
    print("mail successfully sent")
except Exception as e:
    print("error: ",e)

return render_template('reqReplyS.html',_name='reqReplyS',_total=len(listt))
else:
    return render_template('reqReplyF.html',_name='reqReplyF')
```

```
SENDGRID_API_KEY='SG.bqppEF1rQsyb_E1qjW8dzQ_iZqxAA916c3ceBSP1bfobWLAc46nADCF-EPk70lt1pU'
MAIL_DEFAULT_SENDER='abiakshya.2003@gmail.com'
```