

Integrating SendGrid Service

SendGrid Integration With Python Code

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Team ID	PNT2022TMID38755
Project Name	Skill and Job Recommender Application

Create API Key

API Key Name •
Flask-Mail



API Key Permissions •

☒ **Full Access**
Allows the API key to access GET, PATCH, PUT, DELETE, and POST endpoints for all parts of your account, excluding billing and Email Address Validation.

☐ **Restricted Access**
Customize levels of access for all parts of your account, excluding billing and Email Address Validation.

☐ **Billing Access**
Allows the API key to access billing endpoints for the account. (This is especially useful for Enterprise or Partner customers looking for more advanced account management.)

Cancel

Create & View

Setting up a Flask application:

```
import os
from flask import Flask, render_template, request, redirect, url_for, flash
from flask_mail import Mail, Message

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)

@app.route("/")
def email():
    msg = Message('SendGrid Test Email', recipients=['2k19cse052@kiot.ac.in'])
    msg.body = 'This is a test email!'
    msg.html = '<p>This is a test email!</p>'
    mail.send(msg)
    return render_template("login.html")
```