

# SendGrid Integration with Python Code

## Creating API Key

### Create API Key

API Key Name •

testAPIKey|



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



API Key Created

Done

## Python Code:

```
from flask import Flask
import sendgrid
import os
from sendgrid import SendGridAPIClient
from sendgrid.helpers.mail import Mail
from flask_mail import Mail, Message

app = Flask(__name__)
mail = Mail(app) # instantiate the mail class

# configuration of mail
app.config['MAIL_SERVER']='smtp.gmail.com'
app.config['MAIL_PORT'] = 465
app.config['MAIL_USERNAME'] = '510919205023@smartinternz.com'
app.config['MAIL_PASSWORD'] = '*****'
app.config['MAIL_USE_TLS'] = False
app.config['MAIL_USE_SSL'] = True
mail = Mail(app)

#message object mapped to a particular URL '/'
@app.route("/Email")
def index():
    send = msg
    msg = Message(
        'Hello',
        sender='510919205023@smartinternz.com',
        recipients = [''])
    msg.body = 'Integrating done with Sendgrid and python code!'
    mail.send(msg)
    send = (msg)
    return 'send'

if __name__ == '__main__':
    app.run(debug = True)
```