

# Integrating SendGrid Service

## SendGrid Integration With Python Code

To send emails from the application we need to integrate the SendGrid Service.

## sendgrid/sendgrid-python



The Official Twilio SendGrid Python API Library

185

Contributors



12k

Used by



1k

Stars



675

Forks



```
print(response.status_code, response.body, response.headers)
response = sg.send(message)
sg = SendGridAPIClient(os.environ.get('SENDGRID_API_KEY'))

html_content='<strong>and easy to do anywhere, even with Python</strong>,'
subject='Sending with Twilio SendGrid is fun,'
to_email='to@example.com',
from_email='from_email@example.com',
message = Mail()

from sendgrid.helpers.mail import Mail
from sendgrid import SendGridAPIClient
import os
```

## Create API Key

API Key Name •  
Flask-Mail



API Key Permissions • ⓘ

<input checked="" type="radio"/>		<b>Full Access</b> 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.
<input type="radio"/>		<b>Restricted Access</b> Customize levels of access for all parts of your account, excluding billing and Email Address Validation.
<input type="radio"/>		<b>Billing Access</b> 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

### SendGrid Integration:

```
import os
from sendgrid import SendGridAPIClient
from sendgrid.helpers.mail import Mail
message = Mail(
    from_email='from_email@example.com',
    to_emails='to@example.com',
    subject='Sending with Twilio SendGrid is Fun',
    html_content='<strong>and easy to do anywhere, even with Python</strong>')
try:
    sg = SendGridAPIClient(os.environ.get('SENDGRID_API_KEY'))
    response = sg.send(message)
    print(response.status_code)
    print(response.body)
    print(response.headers)
except Exception as e:
    print(e.message)
```