

Team ID	PNT2022TMID17287
Project Name	CONTAINMENT ZONE ALERTING

# 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



```

import (response.status_code, response.reason, response.headers)
response = sm.send(message)
sm = SendGridAPIClient(os.environ.get('SENDGRID_API_KEY'))

from_email = '<from>' and email to go anywhere, even with bcc=<from>,)
subject = 'Sending with Twilio SendGrid is fun',
to_emails = ['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 \*

☒ **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

## 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)
```