

INTEGRATING SENDGRID SERVICE

SENDGRID INTEGRATION WITH PYTHON CODE

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Project Name	Containment Zone Alerting Application
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Sendgrid is a cloud-based SMTP provider that allows you to send email without having to maintain email servers.

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Example: import sendgrid SENDGRID_API_KEY =  
'SG.xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx  
xxx' sg = sendgrid.SendGridAPIClient(apikey=SENDGRID_API_KEY)  
from_email = 'test@example.com' to_email = 'test@example.com'  
subject = 'Sending with SendGrid is Fun' content = 'and easy to do  
anywhere, even with Python' mail = Mail(from_email, subject,  
to_email, content) response =  
sg.client.mail.send.post(request_body=mail.get())  
print(response.status_code) print(response.body)  
print(response.headers)
```

```
1  # using SendGrid's Python Library
2  # https://github.com/sendgrid/sendgrid-python
3  import os
4  from sendgrid import SendGridAPIClient
5  from sendgrid.helpers.mail import Mail
6
7  message = Mail(
8      from_email='from_email@example.com',
9      to_emails='to@example.com',
10     subject='Sending with Twilio SendGrid is fast and easy to do',
11     html_content='<strong>and easy to do'
12 )
13 try:
14     sg = SendGridAPIClient(os.environ.get('SENDGRID_API_KEY'))
15     response = sg.send(message)
16     print(response.status_code)
17     print(response.body)
18     print(response.headers)
19 except Exception as e:
20     print(e.message)
```