

SENDGRID

TEAM ID: PNT2022TMID39972

The image shows two screenshots of the SendGrid web interface. The top screenshot is the 'Welcome, Mayuri sri!' dashboard page. It features a sidebar with navigation links: Dashboard, Email API, Marketing, Design Library, Stats, Activity, Suppressions, Settings, and Twilio SMS. The main content area has a 'Welcome, Mayuri sri!' message, a 'Send your first emails with Twilio SendGrid' banner, and a 'Create a sender identity' section. This section explains that before sending email, a sender identity must be created, and it offers two ways to do this: 'Create a Single Sender' (highlighted in blue) and 'Authenticate a domain instead'. A 'Send your first email' button is also visible. The bottom screenshot is the 'Integrate using our Web API or SMTP Relay' page, specifically the 'How to send email using Python' section. It includes a progress bar with steps: Overview, Integrate (current), and Verify. The steps are: 1. Make sure you have the prerequisites (Python 2.6, 2.7, 3.4 or 3.5). 2. Create an API key (a success message shows a key was created). 3. Create an environment variable (a code block shows the command to set the SENDGRID_API_KEY). 4. Install the package (a command to install sendgrid-python is shown). The bottom of the page shows a status bar with 'Waiting for errors.client.optimizely.com...' and a weather widget.

SendGrid

app.sendgrid.com/guide?from=profile&integrate=true

Welcome, Mayuri sri!

To get up and running quickly, please follow the steps outlined below.

Send your first emails with Twilio SendGrid

Create a sender identity

Before sending email, you'll need to create a sender identity. There are [two ways](#) to do this, but we recommend creating a Single Sender to get set up quickly and test your email integration.

Your sender identity is the "from" email address your recipients will see in their inbox. [Learn more](#) about this.

Create a Single Sender Authenticate a domain instead

Send your first email

Please create a sender identity before sending your first email.

80°F Cloudy

Please Verify Your Single Sender x SendGrid x History x +

app.sendgrid.com/guide/integrate/langs/python

Setup Guide / Integrate / Web API / Python

Integrate using our Web API or SMTP Relay

Overview Integrate Verify

How to send email using Python

- 1 Make sure you have the prerequisites
Our library requires Python 2.6, 2.7, 3.4 or 3.5.
- 2 Create an API key
This allows your application to authenticate to our API and send mail. You can enable or disable additional permissions on the API keys page.
"1659511857" was successfully created and added to the next step.
SG.7b2owUICQp204Ep2eR9nYQ.nwQ2gstcb668nsRD407e0BuLyPdWru1_mep7kYszAc
- 3 Create an environment variable
Update your development environment with your SENDGRID_API_KEY. Run the following in your shell:

```
1 echo "export SENDGRID_API_KEY='SG.7b2owUICQp204Ep2eR9nYQ.nwQ2gstcb668nsRD407e0BuLyPdWru1_mep7kYszAc'" > sendgrid.env
2 echo "sendgrid.env" >> .gitignore
3 source ./sendgrid.env
```
- 4 Install the package
Install sendgrid-python and its dependencies using pip.

Waiting for errors.client.optimizely.com...

29°C Partly sunny

Sendgrid.py:

```
# using SendGrid's Python Library
# https://github.com/sendgrid/sendgrid-python
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)
```