

STEP TO CREATE AN SEND GRID INTEGRATION WITH PYTHON CODE

STEP 1 Open the send grid link:


Fill in the below details for creating an account to login:

- 1) User name(Eg: [ram@1234](#))
- 2) Password(Based on your choice)
- 3) Click login
- 4) Create API Key


Create API Key

API Key Name *


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.

☐ 

Restricted Access
Customize levels of access for all parts of your account, excluding billing.

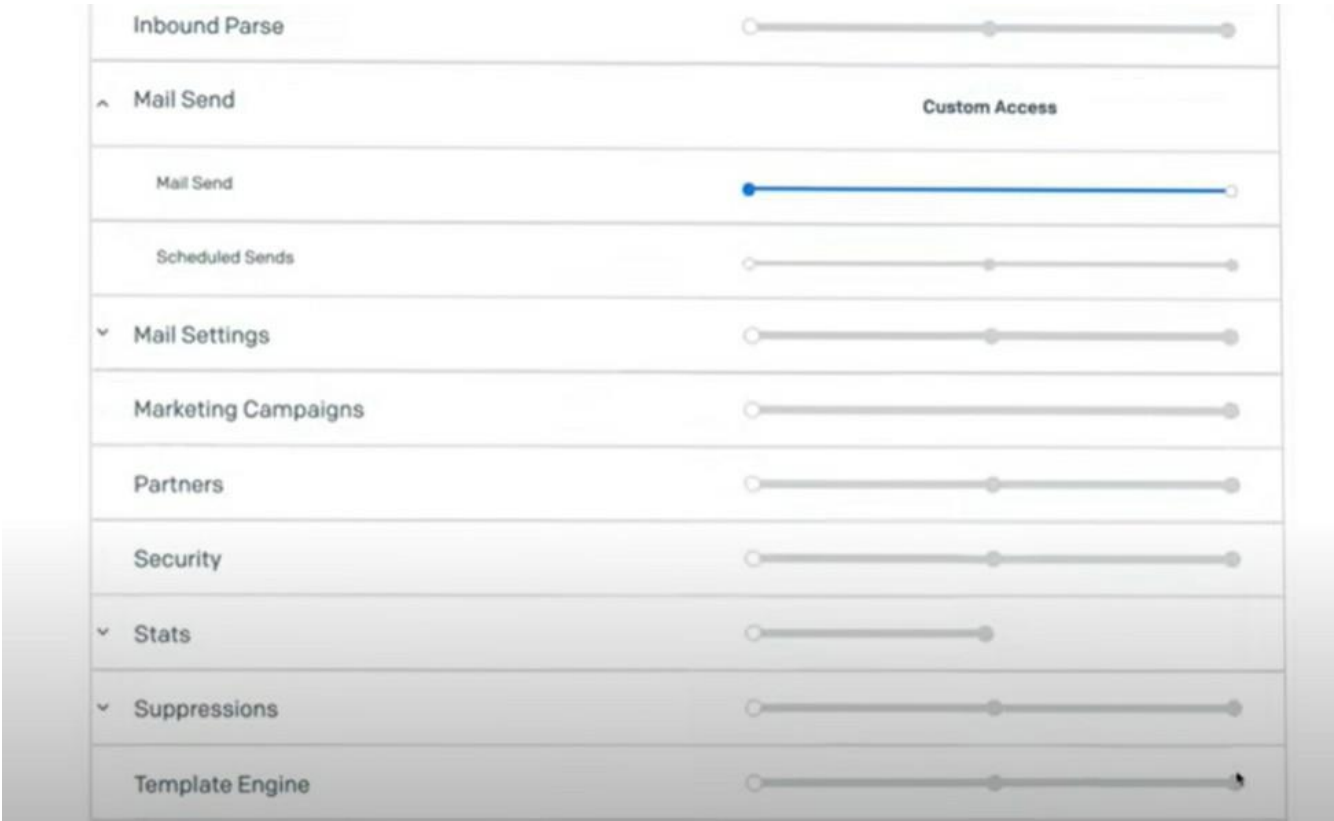
☐ 

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

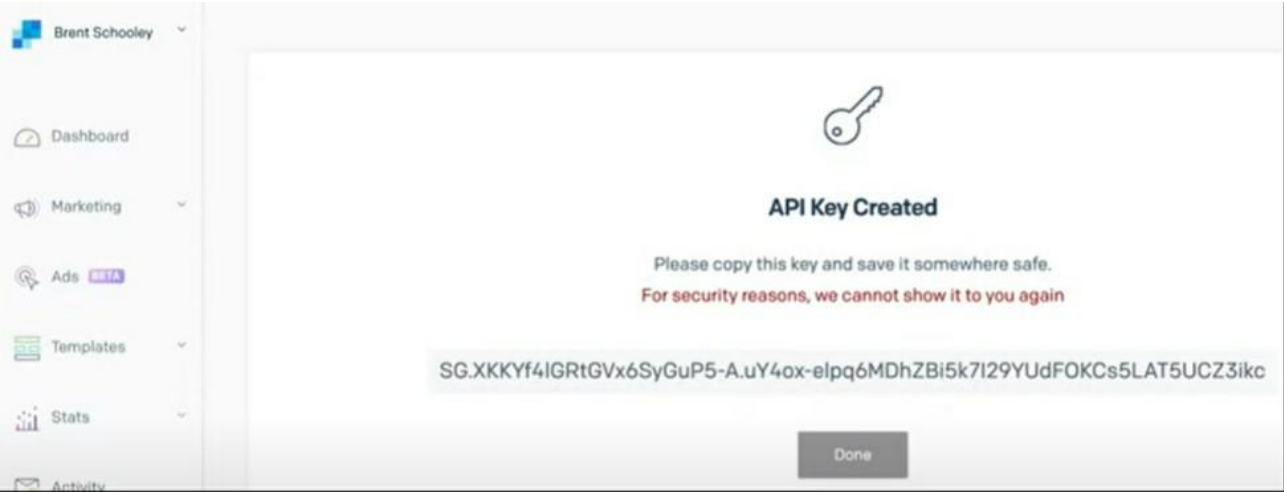
STEP 2 Click mail send and scroll the button and then click the create view:



| | |
|---------------------|-----------------------|
| ▼ Mail Settings | <input type="range"/> |
| Marketing Campaigns | <input type="range"/> |
| Partners | <input type="range"/> |
| Security | <input type="range"/> |
| ▼ Stats | <input type="range"/> |
| ▼ Suppressions | <input type="range"/> |
| Template Engine | <input type="range"/> |
| ▼ Tracking | <input type="range"/> |
| ▼ User Account | <input type="range"/> |
| Whitelabel | <input type="range"/> |

CancelCreate & View

STEP 3 Copy the API Key and click to done:



STEP 4 Install the Pip send grid once it done and then create a new files called send-email.py:

```
► pip install sendgrid
Collecting sendgrid
  Using cached https://files.pythonhosted.org/packages/06/34/ca87bbdb0e14943d1a022b768a6f02317135954
3d89a21fa19d6c3e081fc/sendgrid-6.0.5-py2.py3-none-any.whl
Collecting python-http-client>=3.0 (from sendgrid)
Installing collected packages: python-http-client, sendgrid
Successfully installed python-http-client-3.1.0 sendgrid-6.0.5
(pyemail)
└ Twilio/YouTubeCode/send-email-python
► touch send-email.py
(pyemail)
└ Twilio/YouTubeCode/send-email-python
► code |
```

STEP 5 Type the code:

```
1 import os
2 from sendgrid import SendGridAPIClient
3 from sendgrid.helpers.mail import Mail
4
5
6 message = Mail(from_email='me@brentschooley.com',
7               to_emails='brentfromtwilio@gmail.com',
8               subject='Sending with Twilio SendGrid is Fun',
9               plain_text_content='and easy to do anywhere, even with Python.',
10              html_content='<strong>and easy to do anywhere, even with Python</strong>')
11 try:
12     sg = SendGridAPIClient(os.environ['SENDGRID_API_KEY'])
13     response = sg.send(message)
14     print(response.status_code)
15     print(response.body)
16     print(response.headers)
17 except Exception as e:
18     print(e.message)
```

STEP 6 Choose the languages and all the details, codes are available in this page:

The screenshot displays the SendGrid 'Integrate using our Web API or SMTP Relay' page. On the left is a sidebar with navigation links: Dashboard, Marketing, Ads (marked BETA), Templates, Stats, Activity, Suppressions, and Settings. At the bottom of the sidebar is a 'REPUTATION 100%' indicator with a green bar. The main content area has a breadcrumb trail: Overview (checked), Integrate (active), and Verify. Below this is a link for 'All languages'. The title is 'How to send email using Python'. The steps are: 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). Below step 2 is a text input field 'My First API Key Name' and a 'Create Key' button. 3. 'Create an environment variable' (Update your development environment with your SENDGRID_API_KEY. Run the following in your shell:). A code block contains three lines: 1. `echo "export SENDGRID_API_KEY='YOUR_API_KEY'" > sendgrid.env`, 2. `echo "sendgrid.env" >> .gitignore`, 3. `source ./sendgrid.env`.

Integrate using our Web API or SMTP Relay

Overview **Integrate** Verify

[All languages](#)

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.

My First API Key Name Create Key
- 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='YOUR_API_KEY'" > sendgrid.env
2 echo "sendgrid.env" >> .gitignore
3 source ./sendgrid.env
```