

SENDGRID INTEGRATION

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PROJECT ID	PNT2022TMID36064
PROJECT NAME	SMART FASHION RECOMMENDER APPLICATION
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SENDGRID.PY:

```
import os
```

```
from .base_interface import BaseInterface
```

```
class SendGridAPIClient(BaseInterface):
```

"""The Twilio SendGrid API Client.

Use this object to interact with the v3 API. For example:

mail client =

```
sendgrid.SendGridAPIClient(os.environ.get('SENDGRID_API_KEY'))
```

...

```
mail = Mail(from_email, subject, to_email, content)
```

```
response = mail_client.send(mail)
```

For examples and detailed use instructions, see

<https://github.com/sendgrid/sendgrid-python>

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```
def __init__(
```

self,

```
api_key=None,
```

```
host='https://api.sendgrid.com',
```

```
impersonate_subuser=None):
```

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Construct the Twilio SendGrid v3 API object.

Note that the underlying client is being set up during initialization, therefore changing attributes in runtime will not affect HTTP client behaviour.

:param api_key: Twilio SendGrid API key to use. If not provided, value will be read from environment variable "SENDGRID_API_KEY"

```
:type api_key: string
```

:param impersonate_subuser: the subuser to impersonate. Will be passed by "On-Behalf-Of" header by underlying

client. See

https://sendgrid.com/docs/User_Guide/Settings/subusers.html

for more details

:type impersonate_subuser: string

:param host: base URL for API calls

:type host: string

"""

self.api_key = api_key or os.environ.get('SENDGRID_API_KEY')

auth = 'Bearer {}'.format(self.api_key)

super(SendGridAPIClient, self).__init__(auth, host, impersonate_subuser)