

Ngrok

Automated email to customer message

**Using Generative AI concept,
openAI and chatGPT**

Prepared by: Kruti Dhyani

Process

- Step 1: Complete the project: Customer Support System: An email to the customer
- Step 2: Set up NGRok
- Step 3: Integrate the project Customer Support System: An email to the customer and NGRok so that you can let anyone in the world access your Customer Support System: An email to the customer

Ngrok introduction

- **ngrok is used to expose local web servers or services to the internet via secure tunnels, facilitating testing and development.** It's commonly employed for debugging webhooks, sharing work in progress, and accessing private network resources remotely. Ngrok offers a simple way to make local resources accessible online for various development and collaboration purposes.

NOTE:

Run your application first then write the ngrok command to get the public IP address otherwise won't work.

Implementation

→ **Tools and Technology:** python Flask to run web applications, OpenAI secret key and **ngrok**

→ **Prerequisites:**

- ◆ Create virtual environment or go to already created virtual environment using command:
workon <virtual environment name>

```
bash: no job control in this shell
macs-MacBook-Pro:CS589 mac$ workon chatGPT
(chatgpt) macs-MacBook-Pro:CS589 mac$ pip install translate
Collecting translate
```

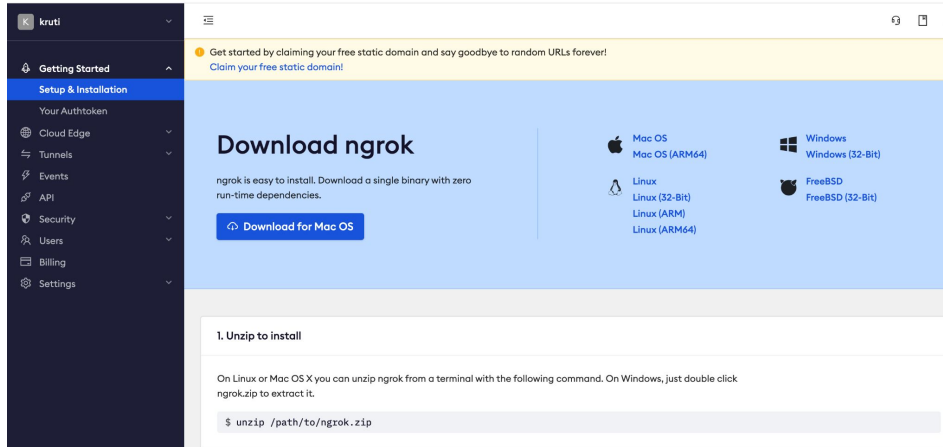
Step:1 Run your customer email application first using python3 <file name> example: python3 app.py

```
bash: no job control in this shell
(chatgpt) macs-MacBook-Pro:emailToCustomer_automated mac$ python3 app.py
* Serving Flask app 'app'
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 760-560-365
A customer comment has been generated.
```

Server is running on port 5000 so, this port will be used for tunneling using ngrok

Step:2 set up ngrok

1. Visit website:<https://ngrok.com/download>
2. Select your OS for which you are downloading. All the steps are mentioned with commands in above website.
3. Create your account using “Signup”
4. Then login you will see the below screenshot



cont..

5. Connect your account using command `$ ngrok config add-authtoken <your token>`

You can find your token in your account home page

2. Connect your account

Running this command will add your authtoken to the default `ngrok.yml` configuration file. This will grant you access to more features and longer session times. Running tunnels will be listed on the [endpoints page](#) of the dashboard.

```
$ ngrok config add-authtoken [REDACTED]
```

6. Now set up tunnel using following command screenshot. [Here replace 80 to your working app port number i.e 5000 for me](#)

3. Fire it up

Read [the documentation](#) on how to use ngrok. Try it out by running it from the command line:

```
$ ngrok help
```

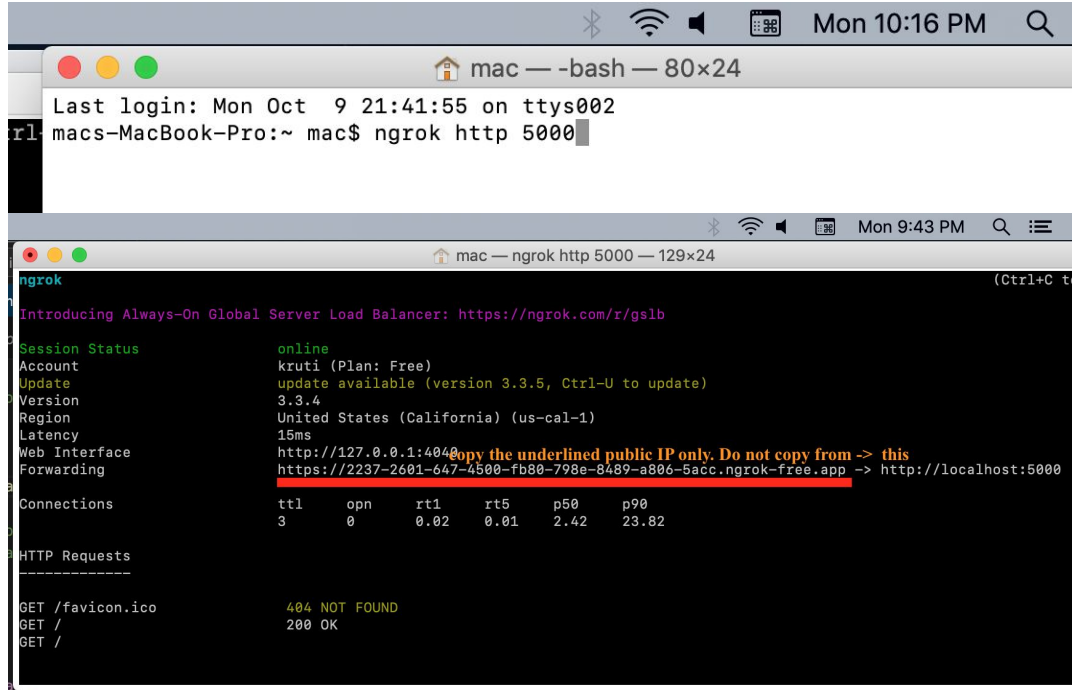
To start a HTTP tunnel forwarding to your local port 80, run this next:

```
$ ngrok http 80
```

Step:3 combine ngrok and email application

1. Write **\$ngrok http 5000** in command prompt and you will find your public ip for that application.

Output:



The image shows two screenshots of a macOS terminal window. The top screenshot shows the command `ngrok http 5000` being entered. The bottom screenshot shows the output of the command, which includes session status, account information, and a table of connections and HTTP requests. A red box highlights the public IP address `127.0.0.1:4040` and the URL `https://2237-2601-647-4500-fb80-798e-8489-a806-8acc.ngrok-free.app`.

```
mac — -bash — 80x24
Last login: Mon Oct  9 21:41:55 on ttys002
macs-MacBook-Pro:~ mac$ ngrok http 5000

mac — ngrok http 5000 — 129x24
ngrok
Introducing Always-On Global Server Load Balancer: https://ngrok.com/r/gslb

Session Status      online
Account             kruti (Plan: Free)
Update              update available (version 3.3.5, Ctrl-U to update)
Version             3.3.4
Region              United States (California) (us-cal-1)
Latency             15ms
Web Interface        http://127.0.0.1:4040
Forwarding            https://2237-2601-647-4500-fb80-798e-8489-a806-8acc.ngrok-free.app -> http://localhost:5000

Connections
  ttl    opn    rt1    rt5    p50    p90
    3      0    0.02   0.01   2.42   23.82

HTTP Requests
-----
GET /favicon.ico    404 NOT FOUND
GET /               200 OK
GET /
```

Test

- Now your Application will be accessed in all over the world via this public ip address. Just paste it in any browser and you will find the following screenshot. **Click on Visit site**

This website is served for free through ngrok.com .

You should only visit this website if you trust whoever sent the link to you.

Be careful about disclosing personal or financial information like passwords, phone numbers, or credit cards.

Visit Site

Email application working on public IP screenshot

Running App:

Choose the language of Email to be generated: Spanish

Question (Generated Comment):

The TechPro Ultrabook is a sleek and lightweight ultrabook that is perfect for everyday use. With its 13.3-inch display, 8GB RAM, 256GB SSD, and Intel Core i5 processor, it offers a great combination of performance and portability. The BlueWave Gaming Laptop, on the other hand, is a high-performance gaming laptop that provides an immersive gaming experience. It features a 15.6-inch display, 16GB RAM, 512GB SSD, and NVIDIA GeForce RTX 3060. The PowerLite Convertible is a versatile laptop with a

Answer (Generated Email):

Output of spanish email:

Choose the language of Email to be generated: English

Question (Generated Comment):

I am extremely satisfied with the wide range of products offered by this electronic product company. The TechPro Ultrabook is a sleek and lightweight ultrabook that is perfect for everyday use. The BlueWave Gaming Laptop provides a high-performance gaming experience with its powerful specifications. The PowerLite Convertible is a versatile laptop with a responsive touchscreen. The TechPro Desktop is a powerful desktop computer suitable for both work and play. The SmartX ProPhone is a powerful smartphone

Answer (Generated Email):

Asunto: ¡Gracias por tus comentarios sobre nuestra amplia gama de productos electrónicos!

Estimado cliente,

Nos complace enormemente recibir tus comentarios y apreciamos tus palabras positivas. ¡Tu satisfacción es nuestra máxima prioridad!

Nos alegra saber que estás extremadamente satisfecho

Github Links:

<https://github.com/DKruti/Machine-Learning/tree/master/Generative%20AI/Automated%20Email%20to%20customer>

References

- <https://ngrok.com/download>