# Ngrok
# Automated email to customer message

## Using Generative AI concept, openAI and chatGPT

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# 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
```

<u>Step:1</u> 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
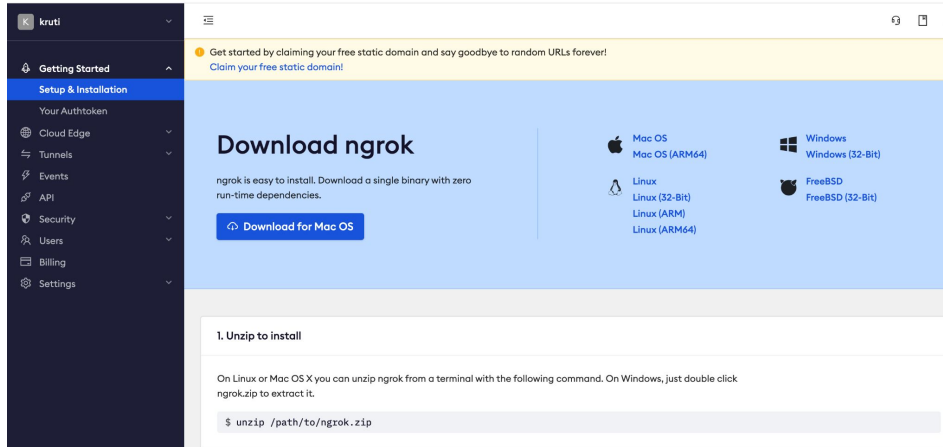
# cont..

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
```

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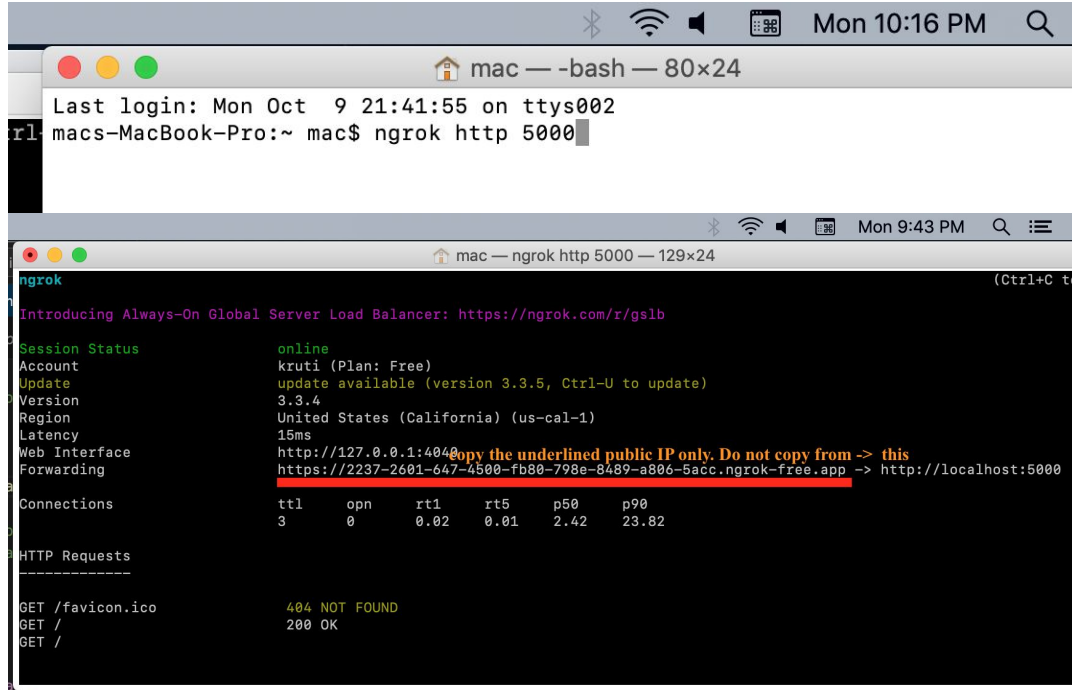
To start a HTTP tunnel forwarding to your local port 80, run this next:

```
$ 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:**

# 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:



## Output of spanish email:

# Github Links:

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

# References

- [https://ngrok.com/download](https://ngrok.com/download)