Setting up Ngrok for Tunneling

Step 1: Signup on Ngrok Website

- Go to the Ngrok website (https://dashboard.ngrok.com/signup) in your web browser.
- Sign up for a Ngrok account if you don't have one already.

Step 2: Installing Ngrok on Ubuntu

- 1. Open your Ubuntu terminal.
- Download Ngrok:

wget https://bin.equinox.io/c/4VmDzA7iaHb/ngrok-stable-linux-amd64.zip

Install Unzip (if not already installed):

udo ant inet

sudo apt install unzip

```
(venv) chinni@LAPTOP-UVNKR98P:~/W3$ sudo apt install unzip [sudo] password for chinni: Reading package lists... Done Building dependency tree... Done Reading state information... Done Suggested packages: zip The following NEW packages will be installed: unzip
```

4. Unzip the Ngrok package:

unzip ngrok-stable-linux-amd64.zip

```
    (venv) chinni@LAPTOP-UVNKR98P:~/W3$ unzip ngrok-stable-linux-amd64.zip
    Archive: ngrok-stable-linux-amd64.zip
    inflating: ngrok
```

```
./ngrok
./ngrok

(venv) chinni@LAPTOP-UVNKR98P:~/W3$ ./ngrok
NAME:
    ngrok - tunnel local ports to public URLs and inspect traffic

DESCRIPTION:
    ngrok exposes local networked services behinds NATs and firewalls to the public internet over a secure tunnel. Share local websites, build/test webhook consumers and self-host personal services.
    Detailed help for each command is available with 'ngrok help <command>'.
    Open http://localhost:4040 for ngrok's web interface to inspect traffic.
```

Step 3: Authenticate Ngrok

Run Ngrok:

- Replace `<your-authtoken-from-ngrok-website>` with the actual authentication token you obtained from the Ngrok website.
- Run the following command to authenticate Ngrok:
 ...
 ./ngrok authtoken <your-authtoken-from-ngrok-website>

(venv) chinni@LAPTOP-UVNKR98P:~/W3\$./ngrok authtoken 2WPIyJEmTYyHok
 Authtoken saved to configuration file: /home/chinni/.ngrok2/ngrok.yml

Step 4: Running Your Application

Start your Python application (assuming it's named `app.py`):
 python3 app.py

```
(venv) chinni@LAPTOP-UVNKR98P:~/W3$ python3 app.py
 * Serving Flask app 'app'
 * Debug mode: on
WARNING: This is a development server. Do not use it in a
 * Running on http://127.0.0.1:5000
Press CTRL+C to quit
 * Restarting with stat
 * Debugger is active!
 * Debugger PIN: 417-416-366
```

Step 5: Create a Tunnel (Open a new terminal window.)

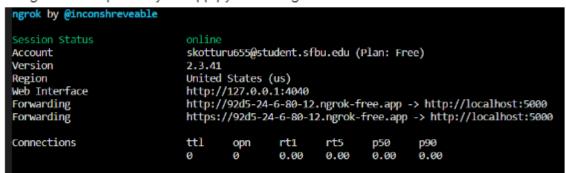
In the new terminal, create an HTTP tunnel on the port where your app.py is running. Replace your-app-port with the actual port number where your application is running:

...

./ngrok http your-app-port

• (venv) chinni@LAPTOP-UVNKR98P:~/W3\$ _/ngrok http 5000

This will generate a public URL for your local application, allowing you to access it remotely using the same port as your app.py is running on.



Click on the link generated to see your website.

