# Ngrok Setup and Usage Notes

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1. Download ngrok for your OS from https://ngrok.com/download

## 2. Run your Flask app locally:

python app.py

(Runs app at http://127.0.0.1:5000)

3. Signup at ngrok: https://ngrok.com/signup

4. Get your authtoken: https://dashboard.ngrok.com/get-started/your-authtoken

## 5. Add authtoken to ngrok config:

ngrok config add-authtoken <your-authtoken>

## 6. Start tunnel to localhost port 5000:

ngrok http 5000

## 7. Access your app from public URL:

e.g., https://f77d-49-205-115-255.ngrok-free.app

8. Keep Flask running locally while ngrok forwards requests.

9. To stop ngrok: Ctrl+C

## Common Errors:

- ERR\_NGROK\_4018: Means you need to add your authtoken.

- Make sure to use a verified account.

## Additional Notes:

- Ngrok web interface at http://127.0.0.1:4040 shows connection info.

- You can share the ngrok URL for live testing with Postman or frontend apps.

Flask Backend with CORS & JSON Response Example Commands

## 1. Install flask-cors:

pip install flask-cors

## 2. Sample Flask code snippet:

from flask import Flask, jsonify, request

from flask\_cors import CORS

app = Flask(\_\_name\_\_)

CORS(app)

@app.route('/api/data', methods=['POST'])

## def data():

data = request.json

return jsonify({'received': data})

## 3. Run your Flask app and test using Postman:

POST https://your-ngrok-url/api/data

## Body (raw JSON):

{

"key": "value"

}

## Ngrok commands summary:

- ngrok config add-authtoken <token>

- ngrok http 5000

- Ctrl+C to stop

Keep your Flask app running locally when using ngrok.