Ngrok

1. What is Ngrok?

Ngrok is a tool and platform that provides secure tunnels to localhost for exposing local development servers or applications to the internet. This can be useful for several purposes:

- **Testing Webhooks**: When you develop a service that requires webhook support, you can use Ngrok to create a public URL that points to your local server.

- **Sharing Local Development**: If you are working on a local application and want to share it with colleagues or clients for testing or review, you can use Ngrok to create a temporary URL.

- **Remote Debugging**: When debugging issues with an application that is running locally, you can use Ngrok to give access to someone who is not on your local network.

- **Development**: Ngrok is also useful for building and testing applications with integrations that require a publicly accessible URL.

Note: Tunneling or port forwarding is the transmission of data intended for use only within a private -- usually corporate -- network through a public network

in such a way that the public network's routing nodes are unaware that the transmission is part of a private network.
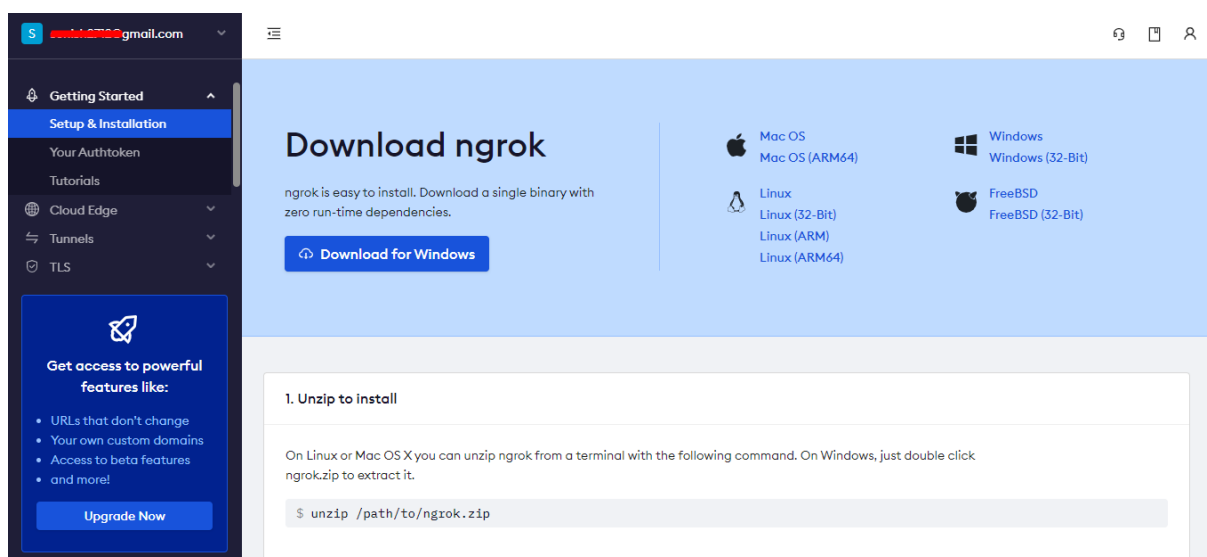
Ngrok works by creating a tunnel from your local machine to the internet through Ngrok's servers. It provides a public URL (or set of URLs) that map to your local server, handling the security and forwarding automatically. Ngrok supports various protocols such as HTTP, HTTPS, TCP, and more, and can provide insights such as logs and performance metrics for the traffic passing through its tunnels.
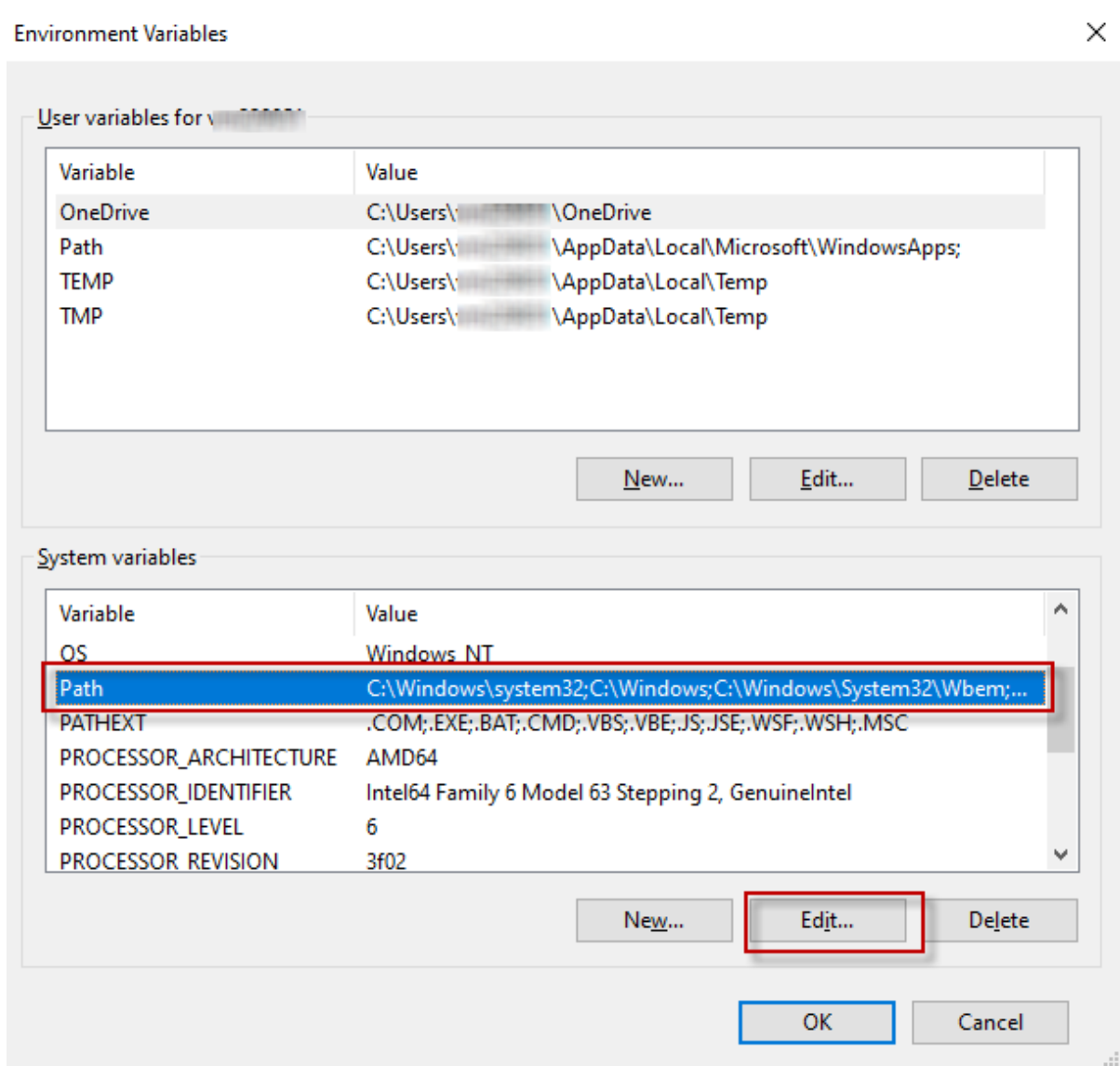
2. Install Ngrok

In order to install Ngrok just go into official website of Ngrok.

Link : https://ngrok.com/

If you don't have account yet, just sing up for get download and access token.

When you has been downloaded and unzip file (change path in drive C [*C:\\ngrok]*) , search for environment variable in Windows and config path variable.

Edit to: " C:\\ngrok " and click OK

More step click on *ngrok.exe* file it will appear command line interface (CMD). Then copy access token from your account and past in CMD.

More Step

Change directory to root directory or close CMD and open to start access port in order to share your application to public.

1. type ngrok http http://localhost:8080 command

2. copy like access and can share to everyone

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ngrok                                                                    (Ctrl+C to quit)

Try our new Traffic Inspector Dev Preview: https://ngrok.com/r/ti

Session Status                online
Account                       ███████████████.com (Plan: Free)
Version                       3.9.0
Region                        Asia Pacific (ap)
Latency                       42ms
Web Interface                 http://127.0.0.1:4040
Forwarding                    https://c593-136-228-158-126.ngrok-free.app -> http://localhost:3000

Connections                   ttl     opn     rt1     rt5     p50     p90
                              27      0       0.23    0.08    0.48    12.84

HTTP Requests
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GET /icon-12pmjg.png                          200 OK
GET /_next/webpack-hmr                        101 Switching Protocols
GET /                                         200 OK
GET /_next/static/css/app/layout.css          200 OK
GET /_next/static/chunks/app/layout.js        200 OK
GET /_next/static/chunks/app/(user)/page.js   200 OK
GET /_next/static/css/app/(user)/page.css     200 OK
GET /_next/static/chunks/main-app.js          200 OK
GET /_next/static/chunks/app-pages-internals.js 200 OK
GET /_next/static/chunks/webpack.js           200 OK
```

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