

ngrok

前言

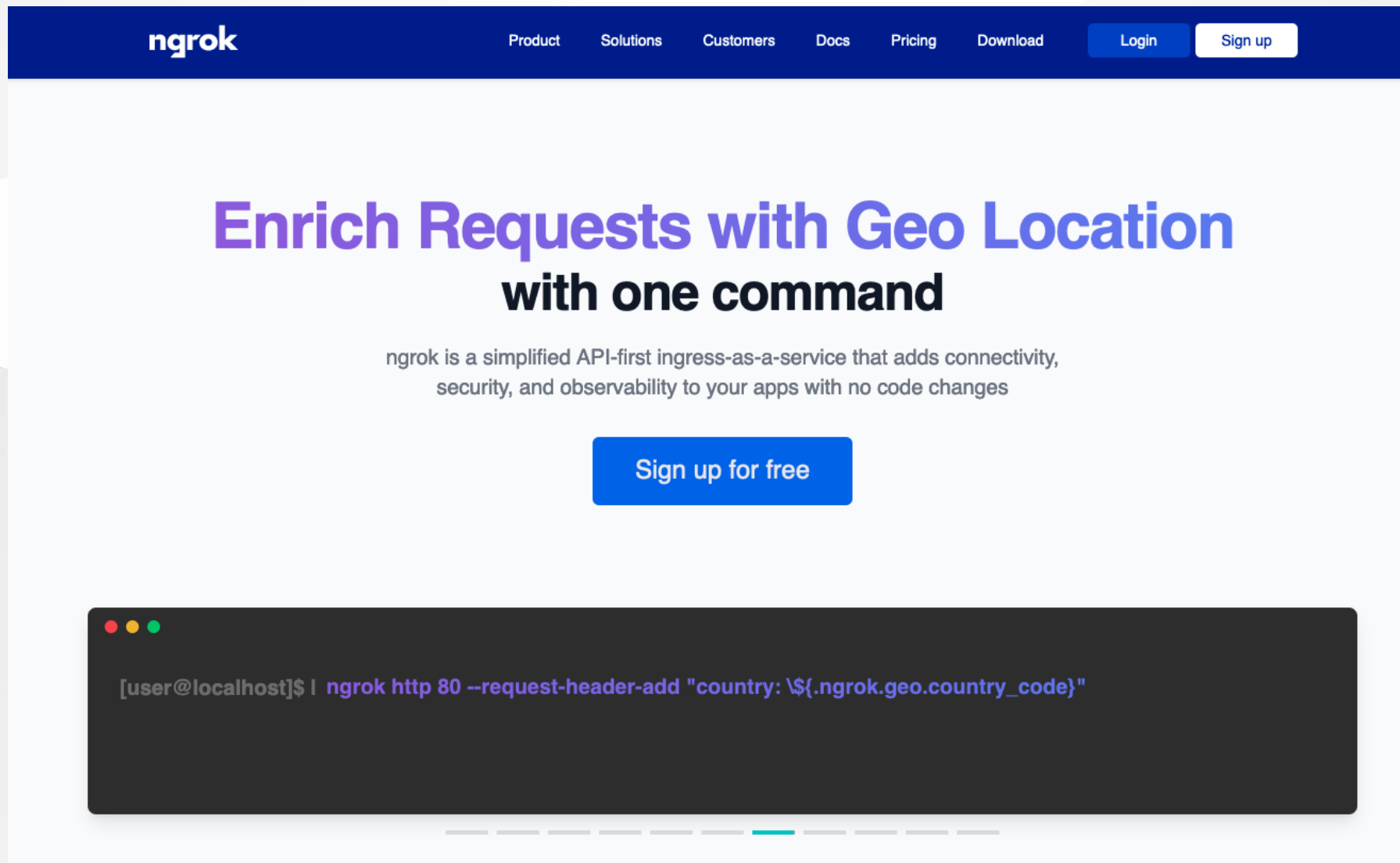
當在開發網頁的時候，常常要線上測試畫面是否正常，或是提供線上畫面來 **DEMO** 檢驗。

這時候就可能需要自己來架設一個服務，看是要讓其他人連線至開發的主機上，或者是部屬到網路空間上，如果還沒有要正式上線的話，就要提早負擔主機費用，甚至還需要花時間特別去設定，對於有期限的專案來說，太浪費時間了。

於是我們可以使用 **ngrok** 這個第三方軟體，來快速的幫我們建立一個臨時的對外伺服器。

教學

先進入到 [ngrok](https://ngrok.com) 官網



The screenshot shows the ngrok website homepage. At the top is a dark blue navigation bar with the ngrok logo on the left and links for Product, Solutions, Customers, Docs, Pricing, Download, Login, and Sign up on the right. The main content area has a white background. The headline 'Enrich Requests with Geo Location with one command' is centered, with 'Enrich Requests with Geo Location' in purple and 'with one command' in black. Below the headline is a subtext: 'ngrok is a simplified API-first ingress-as-a-service that adds connectivity, security, and observability to your apps with no code changes'. A blue 'Sign up for free' button is centered below the subtext. At the bottom, there is a dark gray terminal window with a red, yellow, and green window control bar. Inside the terminal, the command `[user@localhost]$ | ngrok http 80 --request-header-add "country: ${.ngrok.geo.country_code}"` is shown in purple text. Below the terminal window is a horizontal dashed line with a teal segment in the center.

ngrok

Product Solutions Customers Docs Pricing Download Login Sign up

Enrich Requests with Geo Location with one command

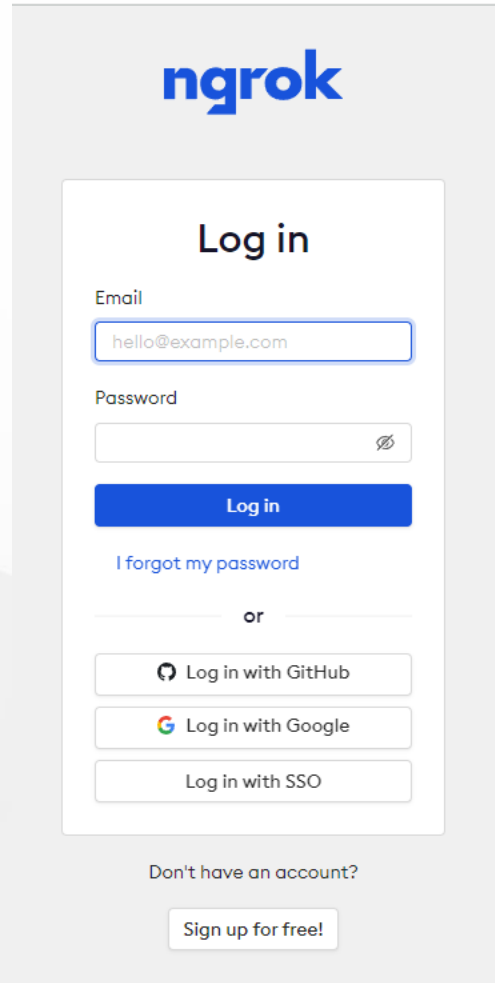
ngrok is a simplified API-first ingress-as-a-service that adds connectivity, security, and observability to your apps with no code changes

Sign up for free

```
[user@localhost]$ | ngrok http 80 --request-header-add "country: ${.ngrok.geo.country_code}"
```

點擊右上方的 登入/註冊

有帳號可以直接登入，或是直接使用 **google / github** 來連接帳號啟用

A screenshot of the Ngrok login page. At the top is the 'ngrok' logo in blue. Below it is a white box titled 'Log in'. Inside this box, there are two input fields: 'Email' with the placeholder 'hello@example.com' and 'Password' with a toggle icon. Below the password field is a blue 'Log in' button. Underneath the button is a link that says 'I forgot my password'. A horizontal line with the word 'or' in the center separates the password login section from the social login section. The social login section contains three buttons: 'Log in with GitHub' (with the GitHub logo), 'Log in with Google' (with the Google logo), and 'Log in with SSO'. Below the white box, the text 'Don't have an account?' is displayed, followed by a button that says 'Sign up for free!'.

登入後，會進到ngrok的後台

Download ngrok

ngrok is easy to install. Download a single binary with zero run-time dependencies.

[Download for Windows](#)



Mac OS
Mac OS (ARM64)



Windows
Windows (32-Bit)



Linux
Linux (32-Bit)
Linux (ARM)
Linux (ARM64)



FreeBSD
FreeBSD (32-Bit)

1. Unzip to install

On Linux or Mac OS X you can unzip ngrok from a terminal with the following command. On Windows, just double click ngrok.zip to extract it.

```
$ unzip /path/to/ngrok.zip
```

依照作業環境，下載對應的檔案
這邊以**windows** 作業環境為主

✓ 今天 (1)



ngrok-v3-stable-windows-amd64

將檔案解壓縮，並放到 **C:\Program Files\ngrok** 底下

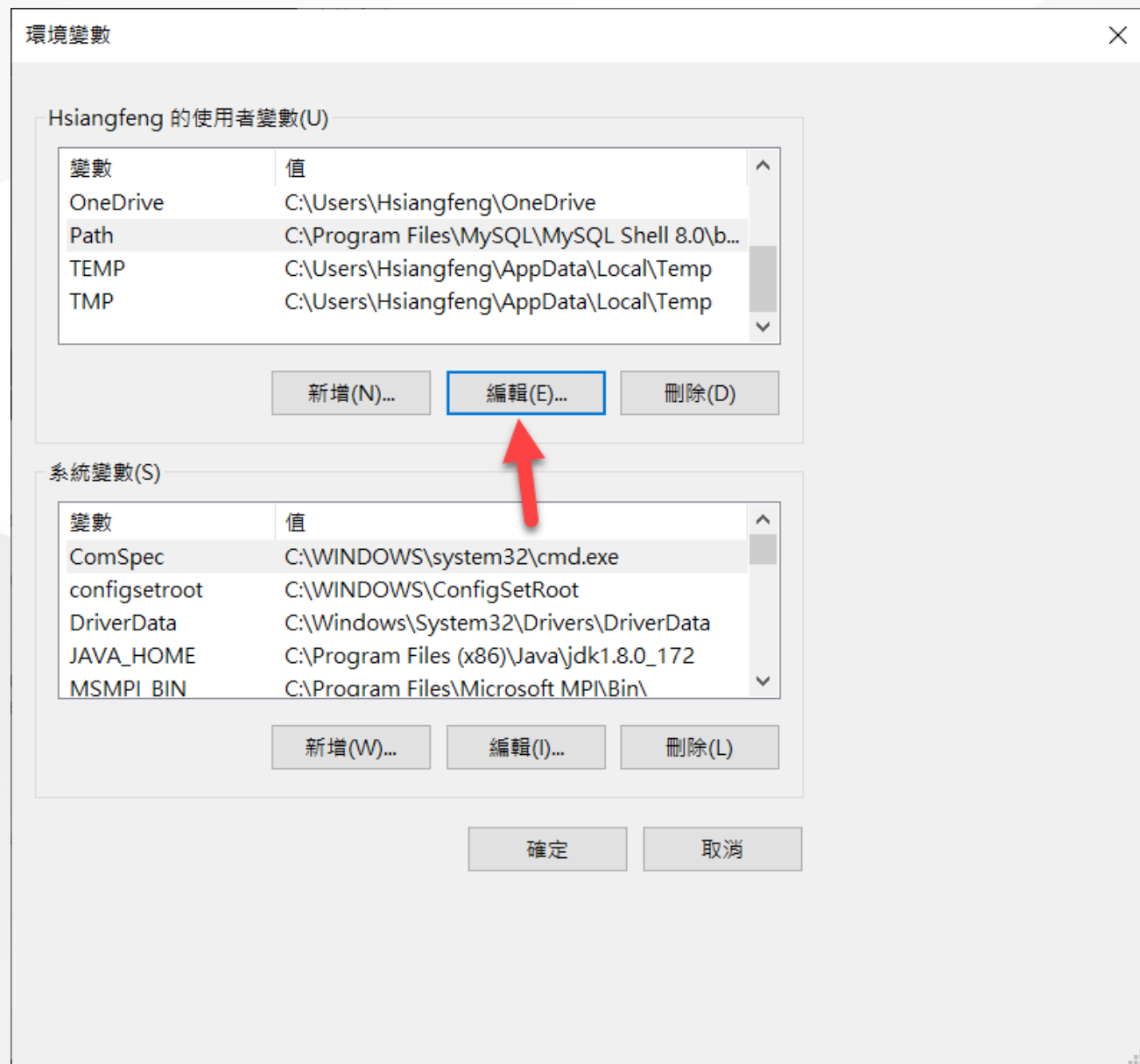
打開 **設定/系統/關於/進階系統設定**



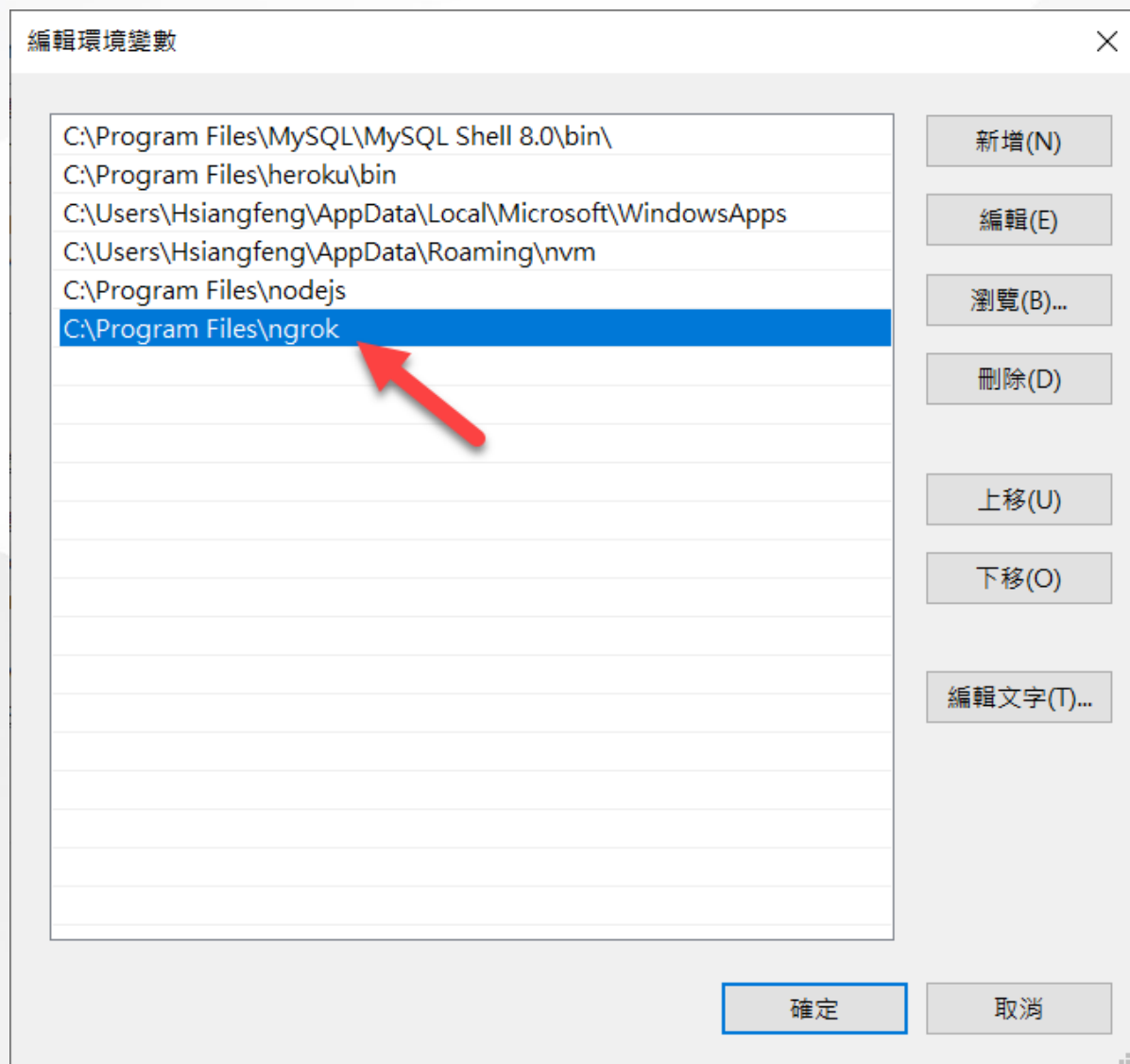
點選 進階/ 環境變數



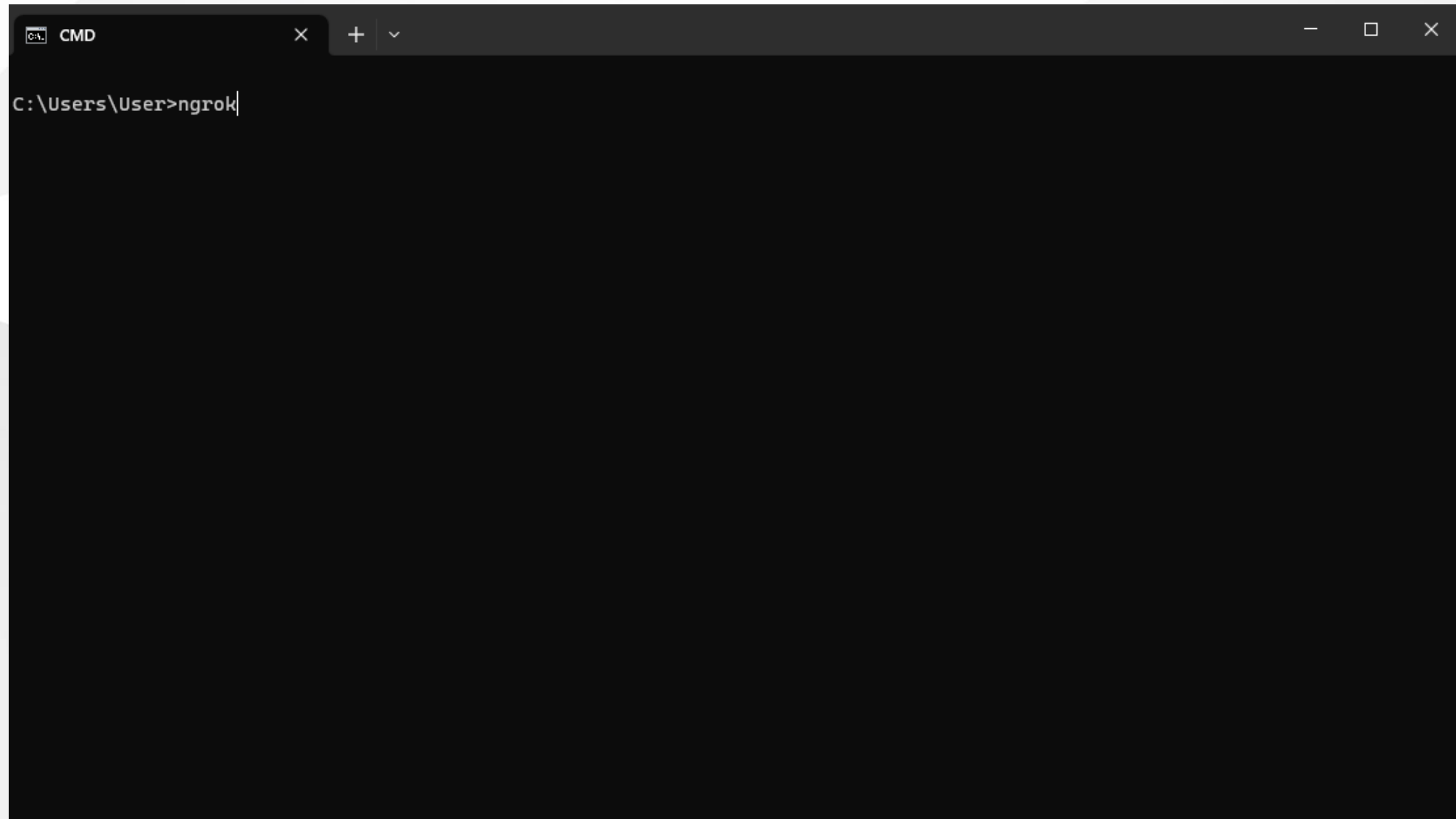
選擇 Path 並點選編輯



點選右側新增，並加入 **C:\Program Files\ngrok**



打開終端機，並輸入 **ngrok**



A screenshot of a Windows Command Prompt window. The title bar at the top shows 'CMD' and standard window controls (minimize, maximize, close). The command prompt shows the current directory as 'C:\Users\User' and the command 'ngrok' has been entered, with a cursor at the end of the line.

```
C:\Users\User>ngrok|
```

有出現內容，表示已經安裝成功

```
CMD
C:\Users\User>ngrok
NAME:
  ngrok - tunnel local ports to public URLs and inspect traffic

USAGE:
  ngrok [command] [flags]

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.

Author:
  ngrok - <support@ngrok.com>

TERMS OF SERVICE: https://ngrok.com/tos

EXAMPLES:
  ngrok http 80                # secure public URL for port 80 web server
  ngrok http --domain baz.ngrok.dev 8080 # port 8080 available at baz.ngrok.dev
  ngrok http foo.dev:80        # tunnel to host:port instead of localhost
  ngrok http https://localhost # expose a local https server
  ngrok tcp 22                 # tunnel arbitrary TCP traffic to port 22
  ngrok tls --domain=foo.com 443 # TLS traffic for foo.com to port 443
  ngrok start foo bar baz      # start tunnels from the configuration file

COMMANDS:
```

回到 ngrok 後台頁面，並照著第二步操作 連接帳號

複製下方指令 並輸入終端機

1. Unzip to install

On Linux or Mac OS X you can unzip ngrok from a terminal with the following command. On Windows, just double click ngrok.zip to extract it.

```
$ unzip /path/to/ngrok.zip
```

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]
```

有出現這段文字，表示已經連線成功了

```
Authtoken saved to configuration file: C:\Users\User\AppData\Local\ngrok/ngrok.yml  
C:\Users\User>
```

使用方式

1.在本地開啟服務，假設服務位置為 `http://localhost:5173`

2.打開終端機 並輸入 `ngrok http 5173`

出現此畫面表示已經成功開啟 ngrok 並且已經正在運行

```
ngrok (Ctrl+C to quit)
♦ Try the ngrok Kubernetes Ingress Controller: https://ngrok.com/s/k8s-ingress

Session Status      online
Account             mao850507@gmail.com (Plan: Free)
Version             3.3.4
Region              Japan (jp)
Agency             -
Web Interface       http://127.0.0.1:4040
Forwarding           https://91b5-2001-b011-9802-b8d2-18e-26aa-2521-df3d.ngrok-free.app -> http://localhost:5173

Connections         ttl    opn    rt1    rt5    p50    p90
                   0      0      0.00   0.00   0.00   0.00
```

接著將 **Forwarding** 這段的網址 貼到瀏覽器上

You are about to visit:

91b5-2001-b011-9802-b8d2-18e-26aa-2521-df3d.ngrok-free.app

Website IP: 2001:b011:9802:b8d2:18e:26aa:2521:df3d

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

Are you the developer?

We display this page to prevent abuse. Visitors to your site will only see it once.

To remove this page:

Set and send an `ngrok-skip-browser-warning` request header with any value.

Or, set and send a custom/non-standard browser `User-Agent` request header.

Or, please [upgrade](#) to any paid ngrok account.

ngrok Learn how ngrok [fights abuse](#)

按下 **Vite Site** 按鈕

就可以進入到 本機環境的網頁了，對外就可以直接連線

如果是vue專案環境
需要給devServer加入設定

使用 defineConfig :

```
const { defineConfig } = require('@vue/cli-service');  
module.exports = defineConfig({  
  devServer: {  
    allowedHosts: 'all',  
  },  
})
```

沒有使用 `defineConfig` :

```
module.exports = {  
  devServer: {  
    disableHostCheck: true,  
  },  
};
```

每一次重新啟動 **ngrok**，都會產生一個新的 **Forwarding**，
除非你有付費的 **ngrok** 帳號，否則你每次都要重新啟動 **ngrok**，才能取得新的 **Forwarding**。

如果要停止 **ngrok**，只要按下 **Ctrl + C**