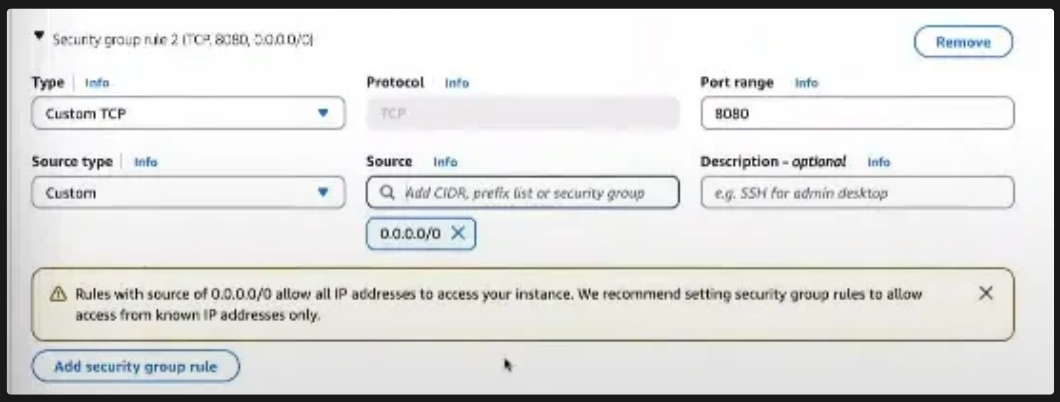
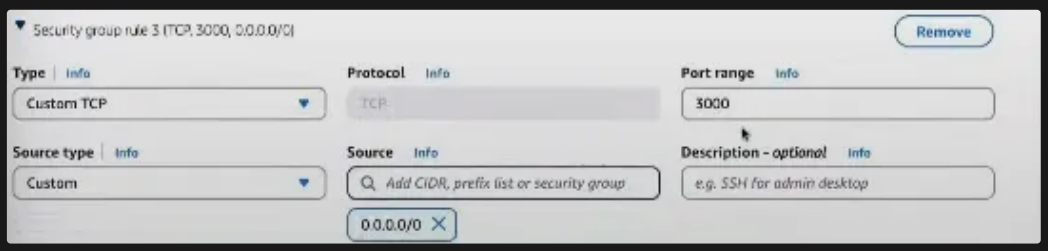
黑客松 - 語音助理

EC2

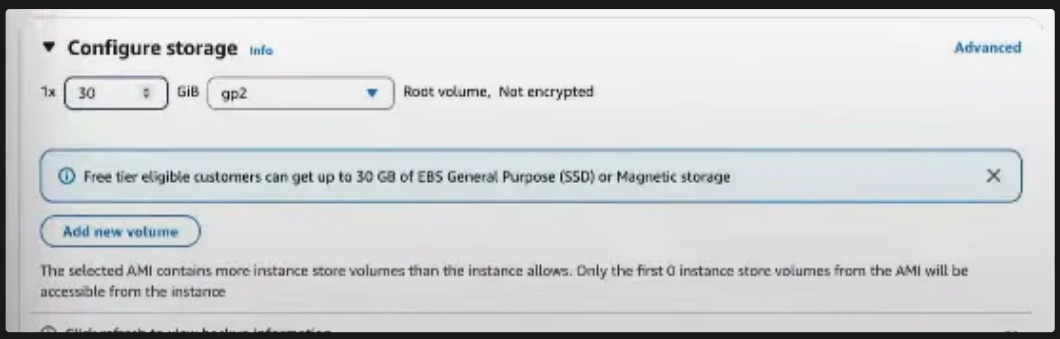
1. 查詢 ec2 - lunch instance
2. 命名 voice - agent
3. 作業系統一律選 ubuntu -
    a. 22.04 的第二個
    b. instance type - t3 xlarge
    c. (不一定要 key)

4. Network setting
    a. create security group
    b. allow SSH
    c. 右上角 edit 點下去
    d. add security group rule
    e. 項目

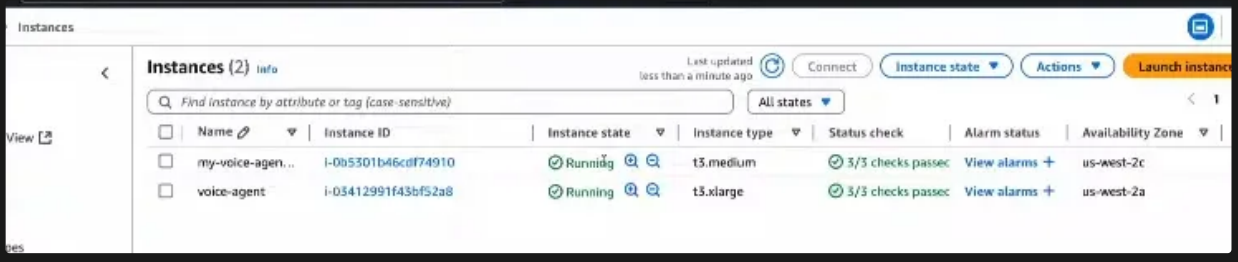




5. 項目



6. 右邊確認 model - launch instance
7. 回到上一動確認 instance



8. 點進剛剛建立好的 ec2 - 進去後右邊點 connect - 再進去之後再進去 connect - 就可以連線進入 terminal

從這邊之後就去建立 CloudFront

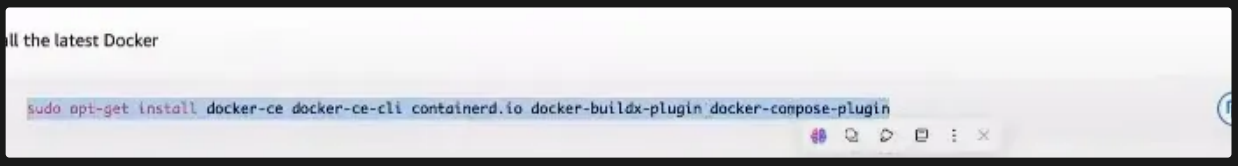
以下是建立玩 CloudFront 之後才做的事情

以下是環境的安裝

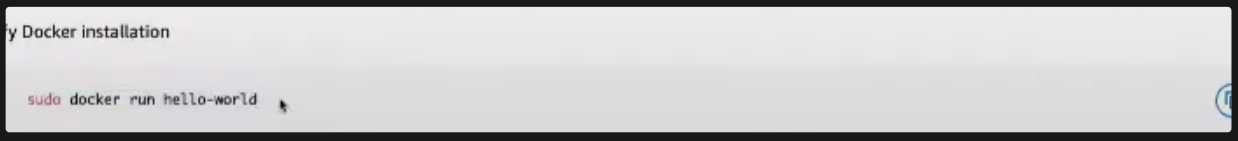
- 回到 terminal

複製文件裡面的 Docker

貼上 terminal 之後按 enter



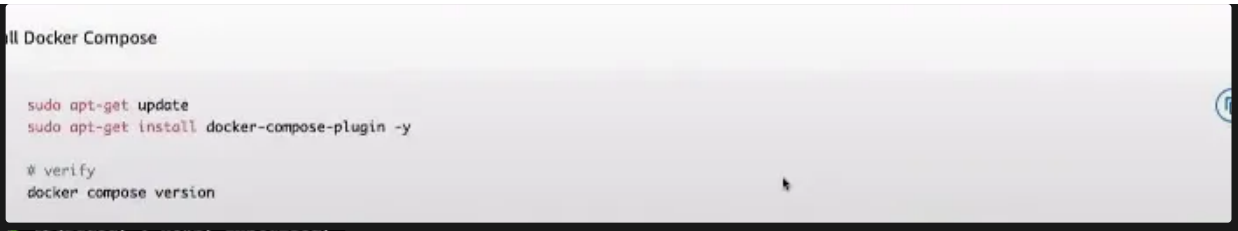
再貼上後按 enter ，中間 y/n 要記得按 y



看到 Hello from docker 就代表裝好了

貼上 terminal 之後按 enter

貼上 terminal 之後按 enter



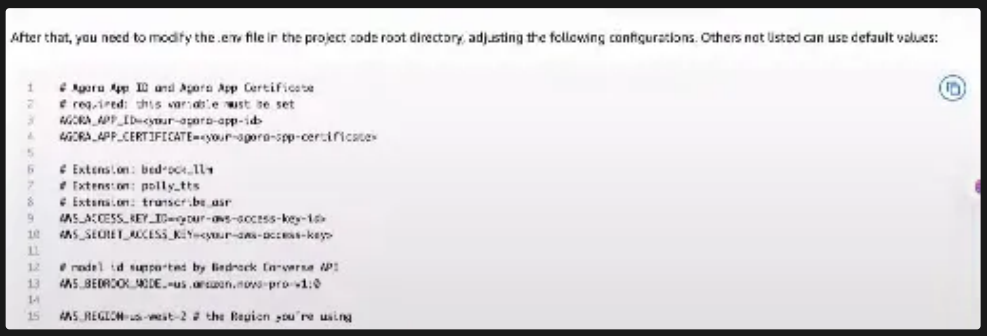
以上是環境的安裝

以下開始建立語音的 code

貼到 terminal 後按 enter

貼到 terminal 後按 enter

這部分不用貼



接下來要進入 terminal 改環境變數

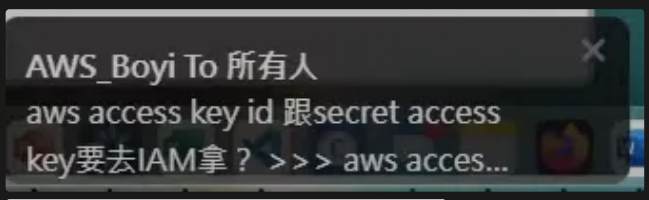
- Terminal 打 vim .env 按 enter 會看到藍色字體的 terminal
- 按 i 會出現 insert 這時候就可以開始改了，改完要離開要按 i 之後按 esc，之後再打一個 : wq
- 要改

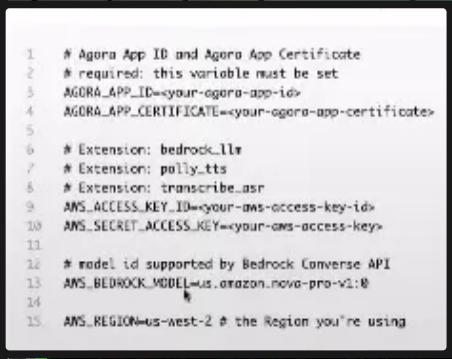
```
# Agora App ID and Agora App Certificate
# required: this variable must be set
AGORA_APP_ID=<your-agora-app-id>
AGORA_APP_CERTIFICATE=<your-agora-app-certificate>

# Extension: bedrock_llm
# Extension: polly_tts
# Extension: transcribe_asr
AWS_ACCESS_KEY_ID=<your-aws-access-key-id>
AWS_SECRET_ACCESS_KEY=<your-aws-access-key>

# model id supported by Bedrock Converse API
AWS_BEDROCK_MODEL=us.amazon.nova-pro-v1:0

AWS_REGION=us-west-2 # the Region you're using
```

agora_app_id、agora_app_certification、AWS_access_key_id、AWS_secret_access_key

她影片裏面沒有說這是從哪裡來的

(我不知道這些實際資訊會在哪裡，似乎會在文件裡面)

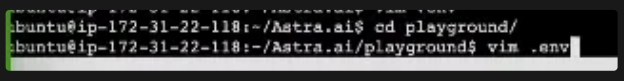




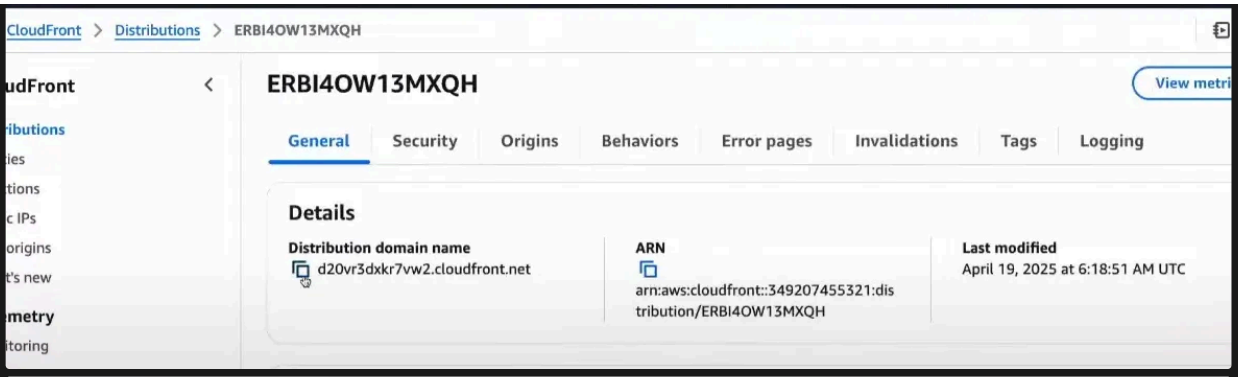
- AWS_REGION 都是 us-west-2
- 要存好設定要按 esc 再打 : wq 這樣就好了

這樣就改完第一個 .env

再來改第二個



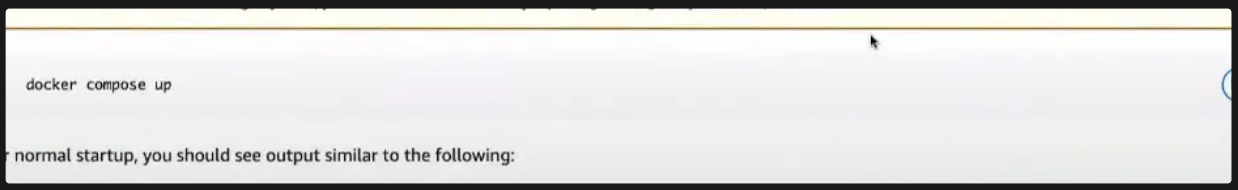
- 打 cd playgroud/ 進入後打 vim .env
- 回到 distribution 複製 8080 的 domain name



- esc : wq

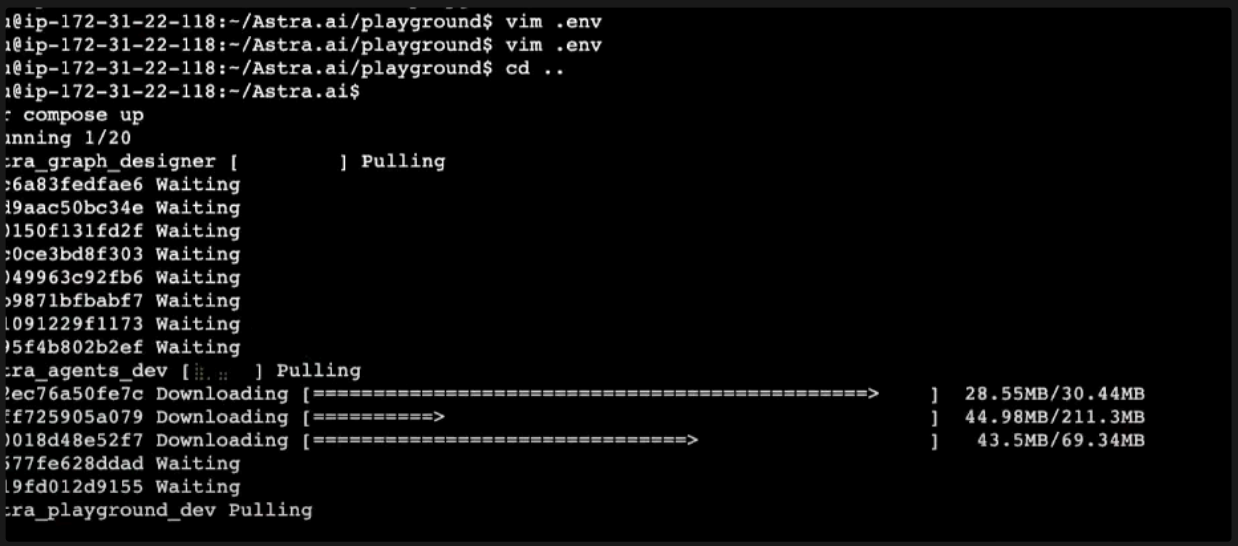
以上就改好兩個環境變數

wq 回到上一層之後到文件複製



記得不要在 playground 執行，要打 cd.. 回到 Astra.ai

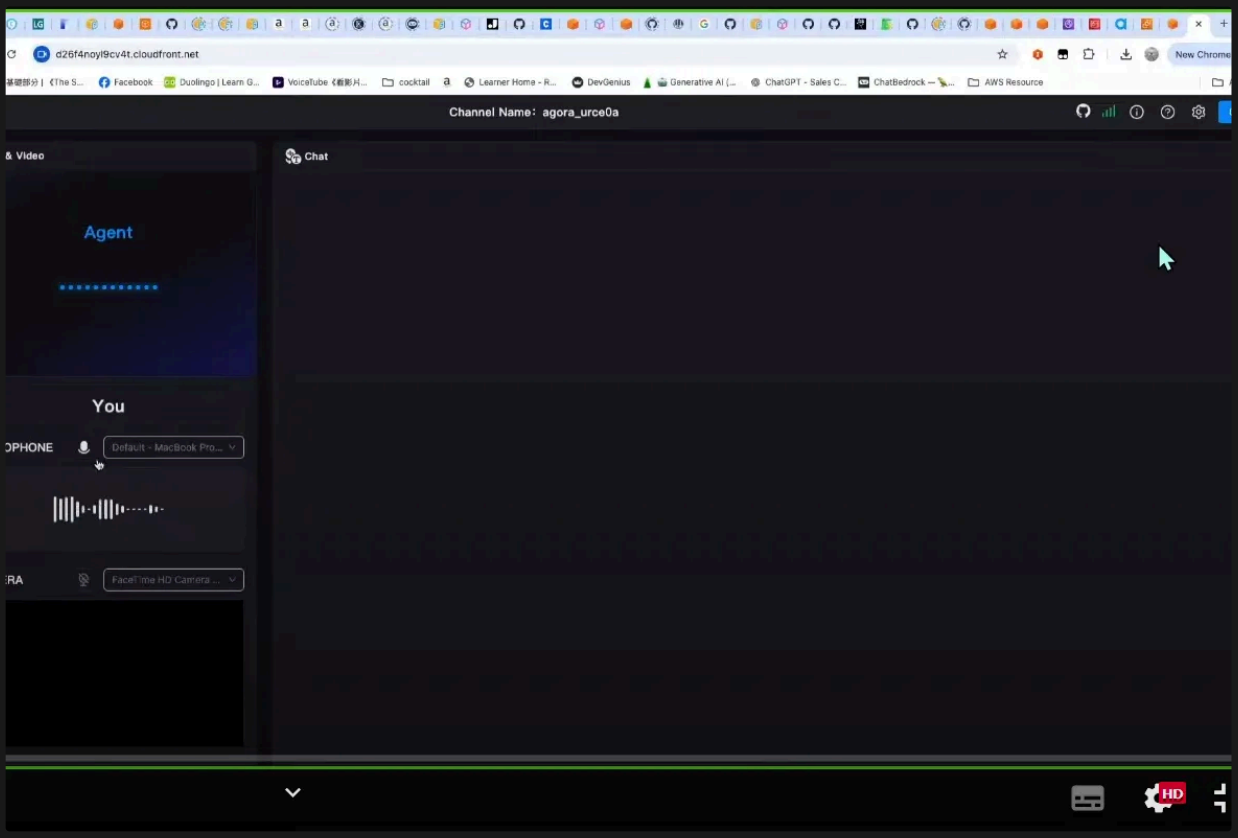
- 貼上 docker compose up

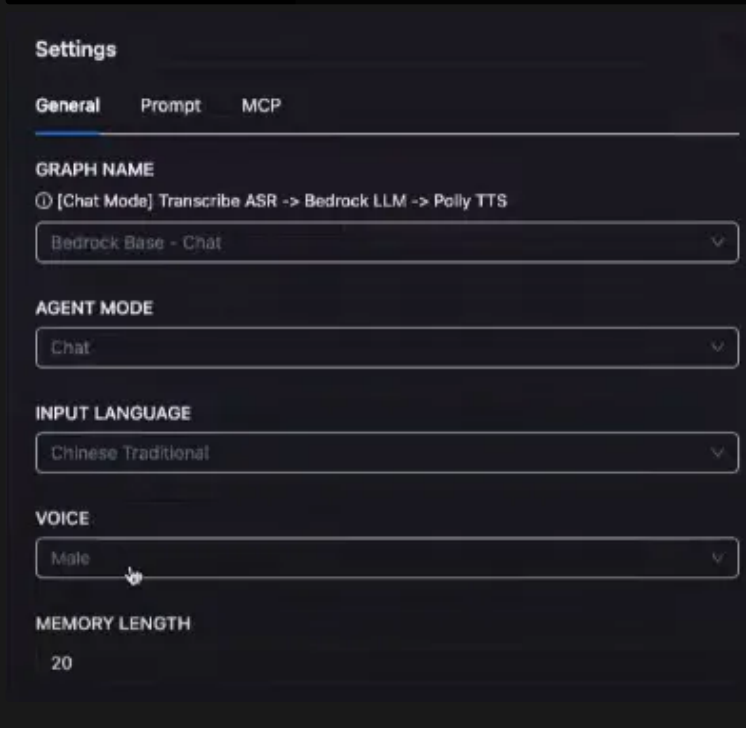


出現 local host 3000 就完成了

```
Astra_playground_dev  | > Astra-playground@0.1.0 start
Astra_playground_dev  | > next start
Astra_playground_dev  |
Astra_playground_dev  |   ▲ Next.js 14.2.4
Astra_playground_dev  |   - Local:        http://localhost:3000
...
```

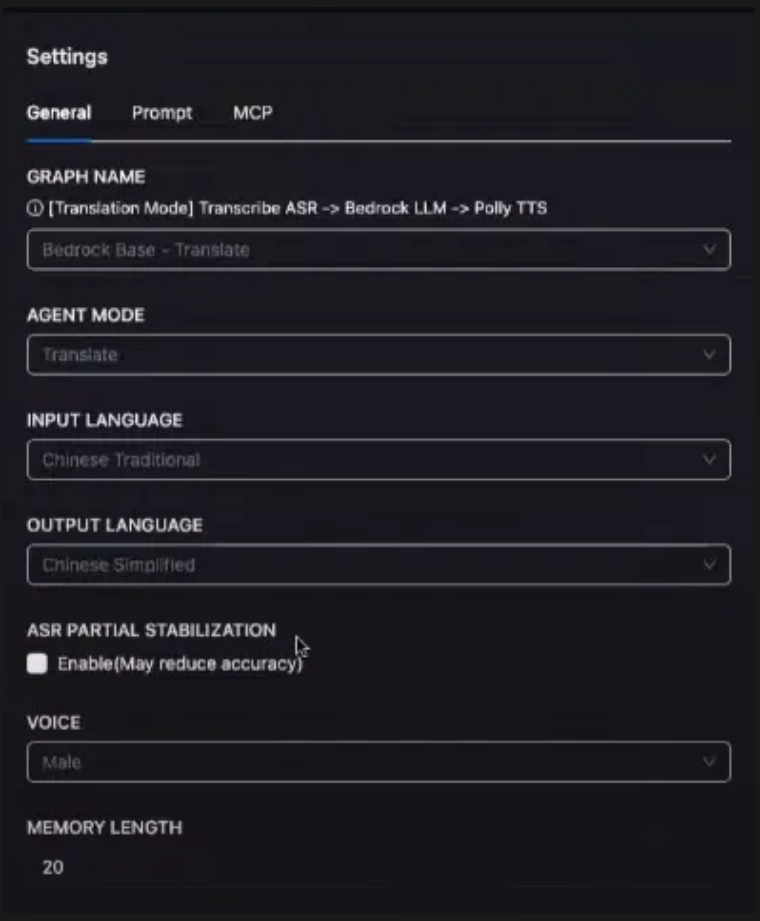
3000 的 port 的 domain name 也先複製起來，直接貼在網址搜尋就可以進入語音助理的前端





設定完之後案右上角的 connect

如果是粵語的話就再進到設定 選 bedrock base - translate，再改 output 為 chinese Simplified 改完後再切回 bedrock base chat，input 也要是 chinese traditional

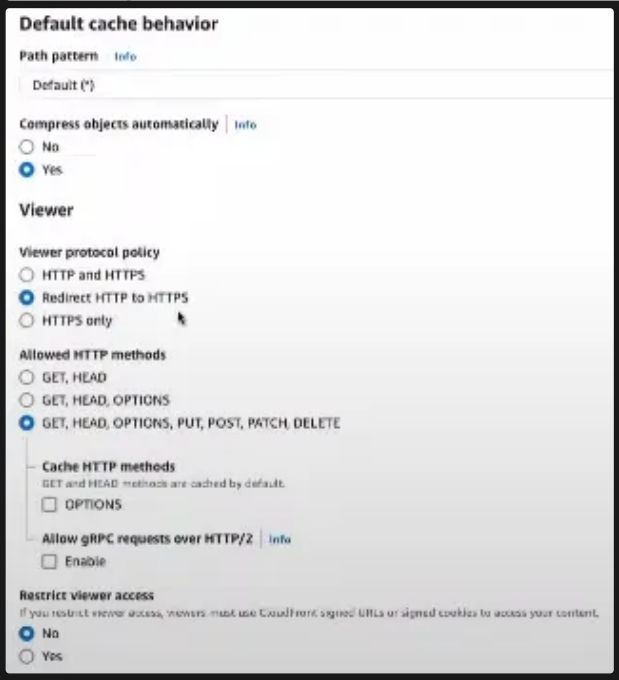


這樣語音前端就完全建立完成了

CloudFront (要建立兩個 CloudFront)

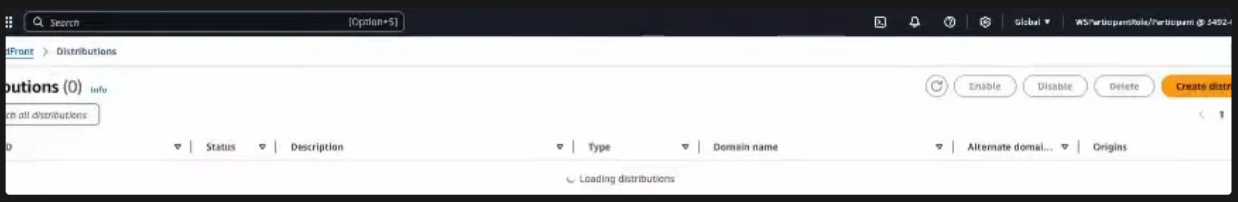
1. 搜尋 CloudFront (紫色的圖)
    - create CloudFront distribuion
    - Origin domain - 回到剛剛建立的 instance - 複製右手邊的 IPv4 DNS

    - 回到 CloudFront origin

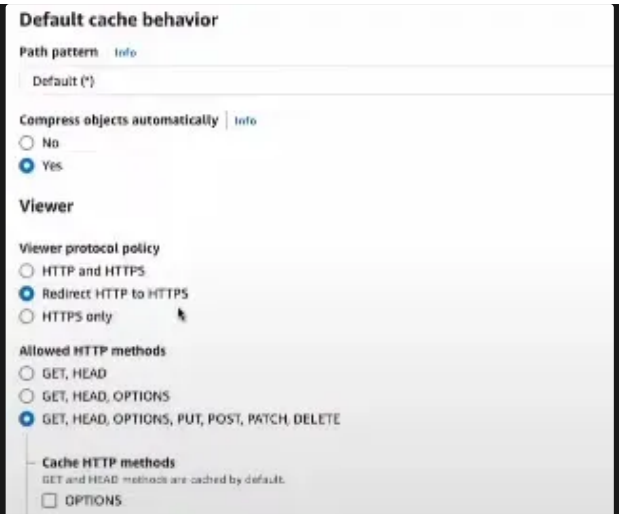


- Create distribution
- Firewall 選 Do not enable
- create - 這樣建立完第一個

回到上一動 - 建立下一個



- 右上角 create
- 接下來動作都跟上一部一樣，只有 HTTPs port 改 3000


Default cache behavior
Path pattern Info
Default (*)
Compress objects automatically Info
No
Yes
Viewer
Viewer protocol policy
HTTP and HTTPS
Redirect HTTP to HTTPS
HTTPS only
Allowed HTTP methods
GET, HEAD
GET, HEAD, OPTIONS
GET, HEAD, OPTIONS, PUT, POST, PATCH, DELETE
Cache HTTP methods
GET and HEAD methods are cached by default.
OPTIONS