

Hosting Service Access

Access to deployment tools is handled by an administrator account in AWS with access to a EC2 compute instance. The repository can be cloned using in line commands and then hosted by changing the “GLOBAL” file to include the public port for the ec2 instance. Any custom links can be made to work by adding a reroute to the public hosting id through the hosting portal.

1. Clone the latest repository of the AI_Usescale_APP

```
[ec2-user@ip-172-31-25-145 ~]$ git clone https://github.com/DipRRai/AI_Usescale_APP.git
Cloning into 'AI_Usescale_APP'...
remote: Enumerating objects: 22111, done.
remote: Counting objects: 100% (190/190), done.
remote: Compressing objects: 100% (48/48), done.
remote: Total 22111 (delta 159), reused 146 (delta 142), pack-reused 21921 (from 3)
Receiving objects: 100% (22111/22111), 51.45 MiB | 19.74 MiB/s, done.
Resolving deltas: 100% (5605/5605), done.
[ec2-user@ip-172-31-25-145 ~]$
```

2. Locate the Public IPv4 address for the EC2 instance and edit the Globals.jsx file within ./client/src/GLOBALS

Public IPv4 address
3.27.41.54 | [open address](#)

```
GNU nano 8.3                                     Globals.jsx
const HOST = "http://3.27.41.54:5000";
export default HOST;
```

3. Install tmux and create two terminals for frontend and backend Hosting

tmux is a utility package used to simultaneously host both the frontend and backend off the singular EC2 instance

“sudo apt install tmux”

4. Create a backend compartment

“tmux new -s backend”

Change into the home directory and initialize database

“python3 sqlite.py”

Run the backend server on the EC2 instance

```
flask run --host=0.0.0.0 --port=5000
```

Use the following shortcut to exit the compartment

"Ctrl + B → D"

5. Create a frontend compartment

```
"tmux new -s frontend"
```

Run the frontend server on the EC2 instance

```
[ec2-user@ip-172-31-25-145 client]$ npm run dev -- --host 0.0.0.0
VITE v7.1.3  ready in 268 ms
→ Local:  http://localhost:5173/
→ Network: http://172.31.25.145:5173/
→ press h + enter to show help
```

The development modes used for testing but for deployment it is recommended to build and serve for deployment.

Final product

The program can now be accessed via the following link

(public IP):5173

To use a custom link to redirect to the program a third-party DNS provider must be used, and the steps will depend on their setup.



