

## การ Deploy OurCSTU Passport

### ไฟล์ USER\_DATA

```
#!/bin/bash

# Update the instance

sudo yum update -y || sudo apt-get update -y

# Install Git

sudo yum install -y git || sudo apt-get install -y git

# Install Node.js and npm for Amazon Linux 2

sudo yum install -y nodejs npm || {

    # For Ubuntu-based instances

    curl -sL https://deb.nodesource.com/setup_14.x | sudo -E bash -

    sudo apt-get install -y nodejs

}

# Install pm2 globally using npm

sudo npm install pm2 -g

# Go to the home directory of the current user

cd /home/ec2-user

โคลน Git Repository มาไว้ยังหน้า home/ec2-user

git clone -b master https://github.com/soravitt/CS100-Project-G27.git

# Navigate to the project directory and install dependencies

cd CS100-Project-G27/Backend

sudo npm install

# Start the application using pm2

sudo pm2 start index.js

# Save the current pm2 processes

sudo pm2 save
```

```
# Ensure pm2 starts on boot
```

```
sudo pm2 startup
```

```
sudo yum install -y nginx
```

```
sudo systemctl start nginx
```

```
sudo systemctl enable nginx
```

```
แก้ไข path ในการ copy ไฟล์จากที่ clone จาก github มายัง /usr/share/nginx/html/
```

```
sudo cp -r /home/ec2-user/CS100-Project-G27/CSS /usr/share/nginx/html/
```

```
sudo cp -r /home/ec2-user/CS100-Project-G27/image /usr/share/nginx/html/
```

```
sudo cp -r /home/ec2-user/CS100-Project-G27/html /usr/share/nginx/html/
```

```
sudo cp -r /home/ec2-user/CS100-Project-G27/JS /usr/share/nginx/html/
```

```
sudo cp /home/ec2-user/CS100-Project-G27/index.html /usr/share/nginx/html/
```

```
# Restart Nginx to reflect the changes
```

```
sudo systemctl restart nginx
```

## ภาพ AWS Console ของ ec2

The screenshot displays the AWS Management Console for the 'us-east-1' region, specifically the 'Instances' page. The top navigation bar shows the user 'voclabs/user2927618=6609681173\_sorawit\_boonnee @ 1478-9690-0815'. The main content area shows a list of instances with the following columns: Name, Instance ID, Instance state, Instance type, Status check, Alarm status, Availability Zone, and Public IPv4 DNS. One instance, 'G27' with ID 'i-053232da453a2a042', is in the 'Running' state and is of type 't2.micro'. Below the table, the details for this instance are expanded, showing a summary of its configuration and status.

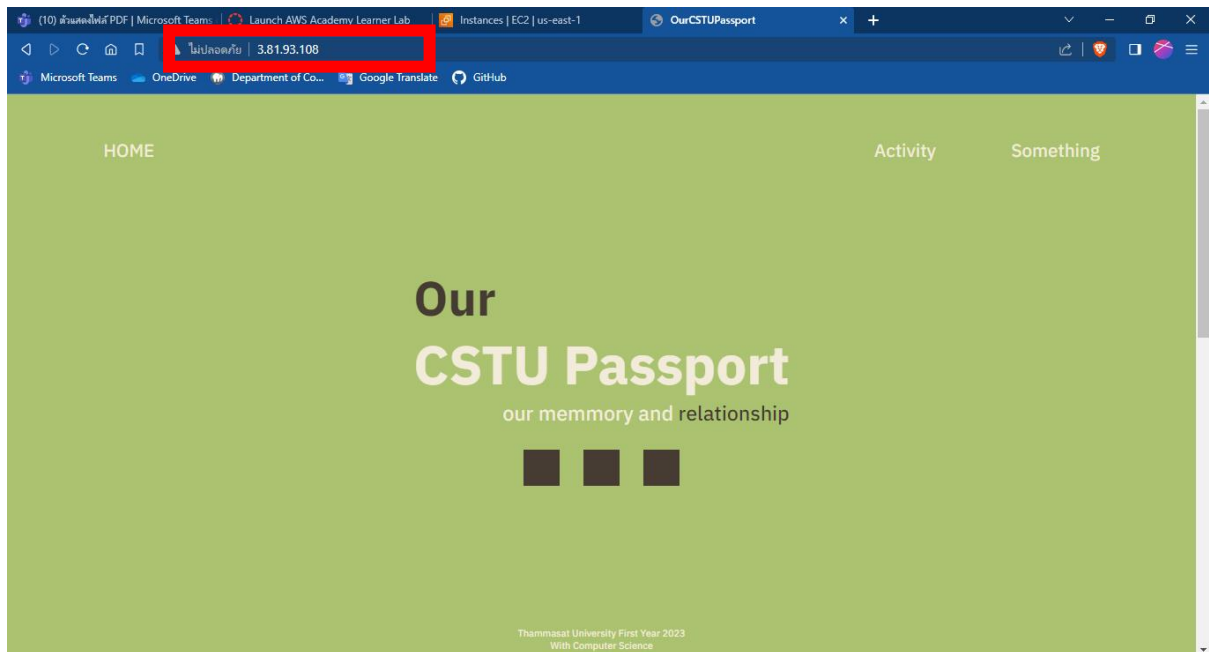
| Name | Instance ID         | Instance state | Instance type | Status check      | Alarm status | Availability Zone | Public IPv4 DNS                         |
|------|---------------------|----------------|---------------|-------------------|--------------|-------------------|---|
| G27  | i-053232da453a2a042 | Running        | t2.micro      | 2/2 checks passed | No alarms    | us-east-1b        | ec2-3-81-93-108.compute-1.amazonaws.com |

**Instance: i-053232da453a2a042 (G27)**

**Instance summary**

|  |   |   |
|--|---|---|
| Instance ID<br>i-053232da453a2a042 (G27)               | Public IPv4 address<br>3.81.93.108 <a href="#">open address</a> | Private IPv4 addresses<br>172.31.45.14  |
| IPv6 address<br>-                                      | Instance state<br>Running                                       | Public IPv4 DNS<br>ec2-3-81-93-108.compute-1.amazonaws.com <a href="#">open address</a> |
| Hostname type<br>IP name: ip-172-31-45-14.ec2.internal | Private IP DNS name (IPv4 only)<br>ip-172-31-45-14.ec2.internal |   |

หน้าเว็บที่เชื่อมต่อกับ Sever



## CSTU PASSPORT

Firstname and Lastname

Student ID

University Email

Work/Activity Title

Location

Description

Type of Work/Activity

Academic Year

Semester

Start Date/Time

End Date/Time

Submit

## Putty

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