REACTJS

cd /var/www sudo mkdir Lab3 สร้างโฟลเดอร์ lab3

```
devuser@server:~$ cd /var/www/
devuser@server:/var/www$ ls
expressjs-example html lab2 lab3 myapp
```

sudo chown -R \$USER:\$USER Lab3 cd Lab3 npx create-react-app my-react-app สร้างโฟลเดอร์ my-react-app

```
devuser@server:/var/www/lab3$ ls
my-react-app ubuntu-next-app __
```

cd my-react-app nano package.json เขาไปที่โฟลเดอร์ my-react-app และแก้ไขไฟล์ package.json เพิ่ม PORT=3001 เพื่อกำหนดport

devuser@server:/var/www/lab3\$ cd my-react-app
devuser@server:/var/www/lab3/my-react-app\$ nano package.json

```
"scripts": {
    "start": "PORT=3001
```

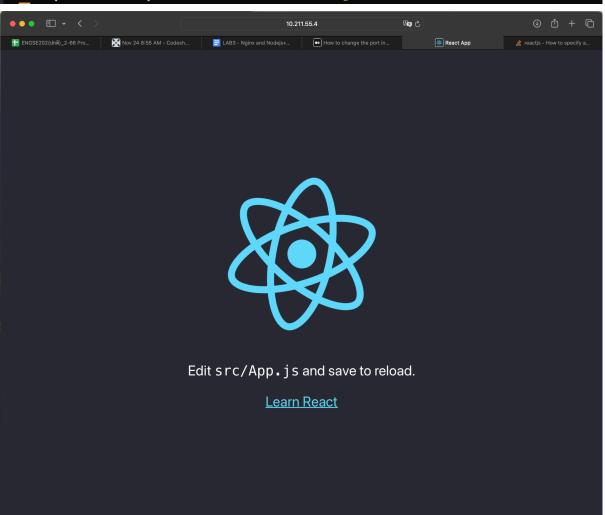
Compiled successfully!

You can now view my-react-app in the browser.

Local: http://localhost:3001
On Your Network: http://10.211.55.4:3001

Note that the development build is not optimized. To create a production build, use npm run build.

webpack compiled successfully



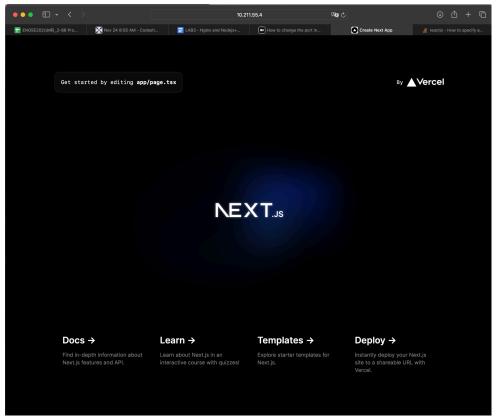
nextjs

cd /var/www/Lab3
npx create-next-app@latest ubuntu-next-app
สร้างโฟลเดอร์ ubuntu-next-app ในโฟลเดอร์ lab3
cd ubuntu-next-app
nano package.json
เขาไปที่โฟลเดอร์ ubuntu-next-app และแก้ไขไฟล์ package.json เพิ่ม -p 3002 เพื่อกำหนดport

```
devuser@server:/var/www/lab3$ cd ubuntu-next-app
devuser@server:/var/www/lab3/ubuntu-next-app$ nano package.json
```

```
"dev": "next dev -p 3002",
"build": "next build",
"start": "next start -p 3002",
```

npm start



Server name

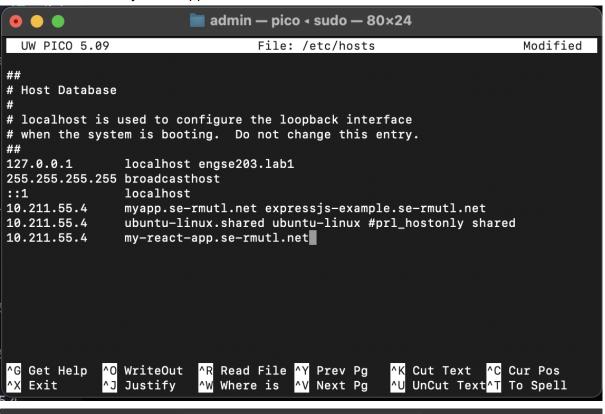
cd /etc/nginx/sites-available sudo cp myapp react-app เข้าไปที่โฟลเดอร์ sites-available Copy ไฟล์ myapp โดยใช้ชื่อไฟล์ว่า react-app

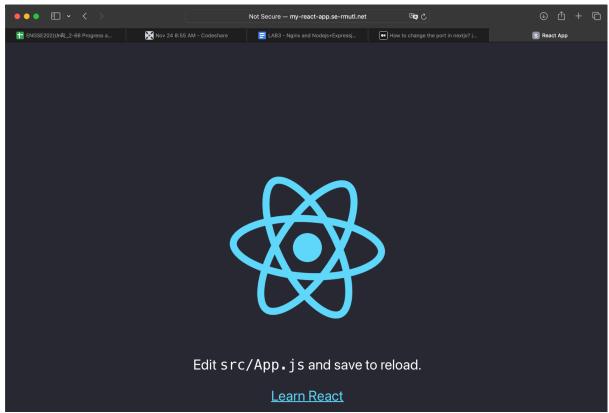
```
devuser@server:/etc/nginx/sites-available$ sudo cp myapp react-app
devuser@server:/etc/nginx/sites-available$ ls
default expressjs-example myapp react-app recat-app
```

server_name my-react-app.se-rmutl.net proxy pass http://127.0.0.1:3001

```
GNU nano 6.2
                                                                   react-app
\overline{\hspace{0.1cm}^{\#}} You should look at the following URL's in order to grasp a solid understanding
# of Nginx configuration files in order to fully unleash the power of Nginx.
# https://www.nginx.com/resources/wiki/start/
# https://www.nginx.com/resources/wiki/start/topics/tutorials/config_pitfalls/
# https://wiki.debian.org/Nginx/DirectoryStructure
# In most cases, administrators will remove this file from sites-enabled/ and
# leave it as reference inside of sites-available where it will continue to be
# updated by the nginx packaging team.
# This file will automatically load configuration files provided by other
# applications, such as Drupal or Wordpress. These applications will be made
# available underneath a path with that package name, such as /drupal8.
# Please see /usr/share/doc/nginx-doc/examples/ for more detailed examples.
# Default server configuration
server {
        listen 80;
        listen [::]:80;
        server_name my-react-app.se-rmutl.net;
        location / {
                proxy_pass http://127.0.0.1:3001; # !!! - change to your app port
                proxy_http_version 1.1;
                proxy_set_header Upgrade $http_upgrade;
                proxy_set_header Connection 'upgrade';
                proxy_set_header Host $host;
                proxy_cache_bypass $http_upgrade;
        }
```

แกไข้ไฟล์Host ใน Terminal เพิ่ม 10.211.55.4 my-react-app.se-rmutl.net





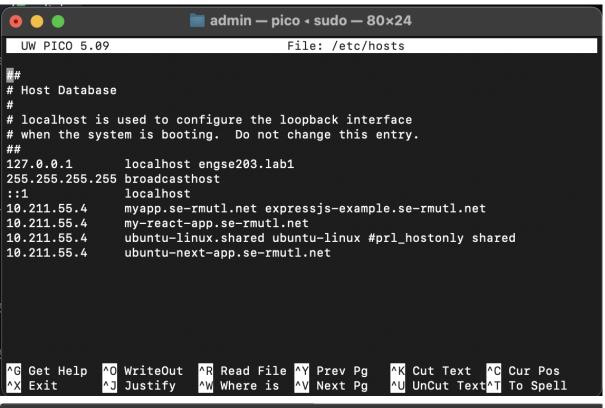
cd /etc/nginx/sites-available sudo cp myapp next-app เข้าไปที่โฟลเดอร์ sites-available Copy ไฟล์ myapp โดยใช้ชื่อไฟล์ว่า next-app

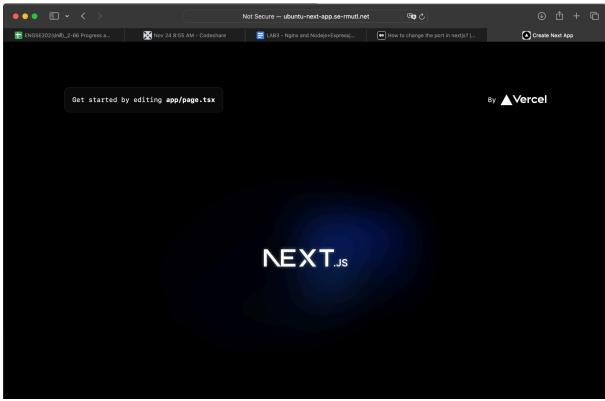
```
devuser@server:/etc/nginx/sites-available$ sudo cp myapp next-app
devuser@server:/etc/nginx/sites-available$ ls
default expressjs-example myapp next-app react-app recat-app
devuser@server:/etc/nginx/sites-available$
```

server_name ubuntu-next-app.se-rmutl.net proxy_pass http://127.0.0.1:3002

```
GNU nano 6.2
                                                                  next-app
# You should look at the following URL's in order to grasp a solid understanding
# of Nginx configuration files in order to fully unleash the power of Nginx.
# https://www.nginx.com/resources/wiki/start/
# https://www.nginx.com/resources/wiki/start/topics/tutorials/config_pitfalls/
# https://wiki.debian.org/Nginx/DirectoryStructure
# In most cases, administrators will remove this file from sites-enabled/ and
# leave it as reference inside of sites-available where it will continue to be
# updated by the nginx packaging team.
# This file will automatically load configuration files provided by other
# applications, such as Drupal or Wordpress. These applications will be made
# available underneath a path with that package name, such as /drupal8.
# Please see /usr/share/doc/nginx-doc/examples/ for more detailed examples.
# Default server configuration
server {
        listen 80;
        listen [::]:80;
        server_name ubuntu-next-app.se-rmutl.net;
        location / {
                proxy_pass http://127.0.0.1:3002; # !!! - change to your app port
                proxy_http_version 1.1;
                proxy_set_header Upgrade $http_upgrade;
                proxy_set_header Connection 'upgrade';
                proxy_set_header Host $host;
                proxy_cache_bypass $http_upgrade;
```

แกไข้ไฟล์Host ใน Terminal เพิ่ม 10.211.55.4 ubuntu-next-app.se-rmutl.net





Install pm2

devuser@server:~\$ sudo npm install pm2 -g
npm deprecated uuid@3.4.0: Please upgrade to version 7 or higher. Older versions may use Math.random() in certain circumstances,
which is known to be problematic. See https://v8.dev/blog/math-random for details.
added 157 packages in 6s
13 packages are looking for funding
 run `npm fund` for details

เข้าไปที่โฟลเดอร์ my-react-app และ ubuntu-next-app แล้วใช้คำสั่ง

pm2 start - -name my-react-app npm - - start

pm2 start - -name ubuntu-next-app npm - - start

เพื่อให้ pm2 เปิดการทำงานของ my-react-app และ ubuntu-next-app ได้พร้อมกัน

