

How to setup nuxt project on build mode on Linux Server

Service requirements :

- nginx
- node 16.15.1
- pm2
- certbot

After installing the requirements follow the steps below:

Step 1: Clone project

Enter the desired directory : (suggest directory : `/var/www/`)

```
cd /var/www/
```

Then create a new directory with the site domain name

```
mkdir {your_domain_name}
```

Enter the directory

Domain name example: something.panel.matican.work

```
cd {your_domain_name}
```

Clone project

```
git clone {project_git_url} .
```

Step 2: install packages and build projects

Install packages :

```
npm install
```

Then config .env

```
cp .env.example .env  
nano .env
```

You can change the port of your project with adding `PORT={port_number}` to you `.env` file

Build the project :

```
npm run build
```

Step 3: config nginx

Enter the nginx directory:

```
cd /etc/nginx/sites-available/
```

define the server block configuration :

```
nano {your_domain}.conf
```

add these line to the file :

```
server {  
    index index.html;  
    server_name {domain_address};  
  
    access_log /var/log/nginx/{domain_address}_access.log;  
    error_log /var/log/nginx/{domain_address}_error.log;  
  
    add_header Strict-Transport-Security "max-age=31536000; includeSubDomains; preload";  
    add_header X-Frame-Options DENY;  
    add_header X-Content-Type-Options nosniff;  
    add_header X-XSS-Protection "1; mode=block";  
    add_header Referrer-Policy "strict-origin-when-cross-origin";  
  
    location / {  
        proxy_pass http://localhost:3000;  
        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;
    }

    listen 80;
}
```

exit nano |CTRL + X|

Create a symbolic link to the configuration file in the `/etc/nginx/sites-enabled/` directory:

```
cd ../sites-enabled;
```

```
ln -s /etc/nginx/sites-available/example.com.conf .
```

such as enabling virtual host configurations in NGINX
if you want make sure link is created

```
ll
```

output like this :

```
lrwxrwxrwx 1 root root 49 Aug 1 2023 spara.client.matican.work.con
lrwxrwxrwx 1 root root 56 Jun 21 2023 storylia.backoffice.matican.w
lrwxrwxrwx 1 root root 49 Jun 25 2023 vaman.client.matican.work.con
root@srv3224049522:/etc/nginx/sites-enabled#
```

Step 4: Active SSL

now we must get ssl for our domain with certbot :

```
certbot --nginx --redirect -d ${domain_address}
```

Then restart nginx :

```
systemctl restart nginx
```

Step 5: Config PM2

Config PM2 for run project :

```
pm2 start 'cd /var/www/{your_domain_name};npm start' -n {service_name}
```

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