

Deploy an npm build folder to nginx

What is [nginx](#)?

Nginx is a Webserver that could be used as a load balancer, reverse proxy etc.,

What all can be deployed to nginx?

- Build folder generated by ReactJS / VueJS / Angular
- Front end files like HTML, CSS, JavaScript

Where can I get the build folder?

Find in GitHub or create any React/Vue/Angular application, then generate the build folder with the following command. The generated build folder, with its content is what we're going to deploy.

```
npm run build
```

Prerequisites for the deploy

- Nginx should be installed in the instance
- Make sure nginx is up and running at port 80

Steps

1. **Name your site:** nginx considers your build folder as content to a site, so you have to name your site and that will be your domain name, just keep the domain name ready with you.
2. **Mention the port:** Decide on what port you are expecting your page to show up (like 80, 3000 etc.,)
3. Create a configuration file for your site: You need to create a file named `<yoursitename>.com` in `/etc/nginx/conf.d` . The content is as below.

```
server {
    listen 80;
    server_name <yoursitename>;
    return 301 https://$host$request_uri;
}

server {
    listen 3000 ssl; // replace with your port number
    server_name <yoursitename>.com;
    root /home/ubuntu/build;
    index index.html;
    ssl_certificate /home/ubuntu/saran.crt;
    ssl_certificate_key /home/ubuntu/saran.key;
    //location /generateTokenCredentials {
        //proxy_pass http://localhost:3001/generateTokenCredentials;
        //proxy_http_version 1.1;
```

```
//}  
location / {  
    try_files $uri /index.html;  
}  
}
```

4. Reload nginx server with the following command to get the changes

```
systemctl reload nginx
```