

## Deploy the application on the server(website)

1. launch an instance
2. install the docker
3. start docker , enable docker , check the status of the docker
4. **sudo mkdir -p /data/www** (make a directory)
5. **cd /data/www** (change the directory)
6. **sudo nano index.html** (or any thing ) (past the code here)
7. **sudo docker run --name docker -v /data/www:/usr/share/nginx/html:ro -d -p 8082:80 nginx**
8. security group -> inbound rules -> add the port number -> save
9. **sudo docker ps**
10. after this copy the public ip and the port number what your are mention in the browser enter

**Use the Freenom.com to access the domain name instead of giving the ip address we use the domain names (eg.dockerweb.com, mywebsite.ml etc)**

**But Now Freenom not available use Godaddy website**

11. After this attached to the Route53 here some steps are there
  12. all these steps completed download the ngenx in ec2
  13. **sudo apt-get install nginx**
- Why we use the nginx is it acts as reverse proxy communicate between the client and the server . also searching our application needs the domain name along with the port number instead we giving the port number use the proxy hide the port number . i.e shown below

14. **cd /etc/nginx**

15. **cd conf.d/**

16. **sudo nano <domain name> .conf**

Add the configuration file

Server {

Server name <web address>;(e.g <http://www.jmhvjdh.ml/>;) )

Location / {

Proxy\_pass <http://127.0.0.1:8081/>;

}

}

17. **sudo systemctl restart nginx**

18. **sudo systemctl status nginx** -> access with domain name only

If we access https instead of http for security purpose use certboat

19.ubuntu install cetboart (in the website)

20.sudo apt install

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