

Setting up the docker things

1. Installed docker container runtime
2. created Dockerfile using nginx and copy
3. docker build -t
4. docker run --name surveyformc -d -p 8080:80 surveyform
5. docker login hemu1999
6. docker tag surveyform hemu1999/surveyform

Setting up the jenkins on EC2

- Create t2.micro on AWS, allowing HTTPs and saving the key
- <https://www.jenkins.io/doc/tutorials/tutorial-for-installing-jenkins-on-AWS/>
- Our jenkins is available at <http://23.22.80.96:8080/>

Github

- Create an ssh key pair locally
- add the public key to the github sshkey in the repo settings
- add the private key as the credentials on jenkins
- create a webhook with the payload <http://23.22.80.96:8080/web-hook/>
- create it

Jenkins Setup

- Create a job
- Select free style project
- Give a description
- choose github project
- add the github url
- choose git as SCM
- add repo url
- choose credentials
- make branch to blank
- choose github hook trigger
- add build steps
adding..

To install docker on jenkins node: <https://docs.aws.amazon.com/serverless-application-model/latest/developerguide/install-docker.html>

```
sudo yum update -y
```

```
sudo yum install -y yum-utils device-mapper-persistent-data lvm2
```

```
sudo yum-config-manager --add-repo https://download.docker.com/linux/amazon/docker-ce.repo
```

```
sudo yum install -y docker-ce
```

```
sudo systemctl start docker  
sudo systemctl enable docker  
giving jenkins user permissions using: sudo usermod -aG docker $USER  
sudo usermod -aG docker jenkins
```