

In this lesson, we will not only be talking about some of the places that Jenkins can be installed, but we will be looking specifically at creating a Jenkins installation in Docker. The concepts that are presented in this lesson can be found here:

<https://jenkins.io/doc/book/installing/>

The commands that are used in this lesson to create the docker instance of Jenkins are:

```
sudo apt install -y docker.io
sudo usermod -aG docker cloud_user
```

Log out and then back in to apply the group change, then continue:

```
docker network create jenkins
docker volume create jenkins-docker-certs
docker volume create jenkins-data
docker container run --name jenkins-docker --rm --detach \
  --privileged --network jenkins --network-alias docker \
  --env DOCKER_TLS_CERTDIR=/certs \
  --volume jenkins-docker-certs:/certs/client \
  --volume jenkins-data:/var/jenkins_home \
  --publish 2376:2376 docker:dind
docker container run --name jenkins-blueocean --rm --detach \
  --network jenkins --env DOCKER_HOST=tcp://docker:2376 \
  --env DOCKER_CERT_PATH=/certs/client --env DOCKER_TLS_VERIFY=1 \
  --volume jenkins-data:/var/jenkins_home \
  --volume jenkins-docker-certs:/certs/client:ro \
  --publish 8080:8080 --publish 50000:50000 jenkinsci/blueocean
```

For the unlock password, run:

```
docker logs jenkins-blueocean
```