Downloading and running Jenkins in Docker

```
root@DESKTOP-800G2HF:JENKINS# docker network create jenkins
e97226cb6edee721a2233aea907b52f005e18747c1119ea80ae67272152b0016
root@DESKTOP-800G2HF:JENKINS# docker run \
                  --name jenkins-docker
--rm \
                               detach \
                 --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.dise!
--volume jenkins-data:/var/jenkins_nome (
--publish 2376:2376 \
docker:dind \
--storage-driver overlay2
Unable to find image 'docker:dind' locally dind: Pulling from library/docker 
4abcf2066143: Already exists 
6a25a43dc0fd: Pull complete 
4f4fb700ef54: Pull complete 
8453b14f8bel: Pull complete 
8453b14f8bel: Pull complete 
3d449a857d65: Pull complete 
3d402c9dd264: Pull complete 
44b7786ed2257: Pull complete 
44b7786ed2257: Pull complete 
44b7786ed3257: Pull complete 
97024fa66b69: Pull complete 
aa84880c0a982: Pull complete 
97024fa66b69: Pull complete 
alc9909845b0: Pull complete 
ab157ace34a1: Pull complete 
b94f5802f12d: Pull complete 
e8f3ade57aa7: Pull complete 
e8f3ade57aa7: Pull complete 
e8f3ade57aa7: Pull complete 
Digest: sha256:0d70c541ee98e66b8f7ece8c0e9f7910732466e337a9087c2ac2868ef0775092 
Status: Downloaded newer image for docker:dind 
8a61808a0a9850623fac47cab7c32a583e40leec4e39bflcaff293b61852e636
```

root@DESKTOP-8OOG2HF:.IENKINS# vim Dockerfile

```
root@DESKTOP-800G2HF:JENKINS# cat Dockerfile
FROM jenkins/jenkins:2.440.1-jdk17
USER root
RUN apt-get update && apt-get install -y lsb-release
RUN curl -fsSLo /usr/share/keyrings/docker-archive-keyring.asc \
 https://download.docker.com/linux/debian/gpg
RUN echo "deb [arch=$(dpkg --print-architecture) \
  signed-by=/usr/share/keyrings/docker-archive-keyring.asc] \
  https://download.docker.com/linux/debian \
$(lsb_release -cs) stable" > /etc/apt/sources.list.d/docker.list
RUN apt-get update && apt-get install -y docker-ce-cli
USER jenkins
RUN jenkins-plugin-cli --plugins "blueocean docker-workflow"
```

```
JEMMINS# docker build -t myjenkins-blueocean:2.448.1-1 . -load
Building 51.6s (11/11) FINISHED
         CO-Main 18 Per september of the septemb
```

```
09-000026:INVEXMES ps ass | greg jenkins | 2002 0.0 0.0 0.2 0702 E60 7 is | 11:07 | 8:00 /usr/bin/tin: / usr/bin/tin: / usr/bi
```

root@DESKTOP-8OOG2HF:JENKINS# docker container ls

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

2a4f128a7e7e myjenkins-blueocean:2.440.1-1 "/usr/bin/tini -- /u..." About an hour ago Up About an hour 0.0.0.0:8080->8080/tcp, :::8080->8080/tcp, 0.0.0.50000->50000/tcp, :::50000->50000/tcp jenkins-blueocean

root@DESKTOP-8OOG2HF:JENKINS# ip r l

root@DESKTOP-8OOG2HF:JENKINS# docker container exec -it 2a4f128a7e7e /bin/bash

jenkins@2a4f128a7e7e:~\$ cd /var/

jenkins@2a4f128a7e7e:/var\$ ls

backups cache **jenkins_home** lib local lock log mail opt run spool tmp

jenkins@2a4f128a7e7e:/var\$ cd /var/jenkins_home/

jenkins@2a4f128a7e7e:~\$ ls

config.xml hudson.model.UpdateCenter.xml identity.key.enc jobs nodeMonitors.xml plugins secret.key.not-so-secret updates users

copy_reference_file.log hudson.plugins.git.GitTool.xml jenkins.telemetry.Correlator.xml logs nodes secret.key **secrets** userContent war

jenkins@2a4f128a7e7e:~\$ cd /var/jenkins_home/secrets

jenkins@2a4f128a7e7e:~/secrets\$ ls

<u>initialAdminPassword</u> jenkins.model.Jenkins.crumbSalt master.key org.jenkinsci.main.modules.instance_identity.InstanceIdentity.KEY

jenkins@2a4f128a7e7e:~/secrets\$ cat initialAdminPassword













