

# SECKC DOCKER WORKSHOP CHALLENGE

Manual docker container build and commit to dockerhub



1. ssh digital ocean / open terminal session on your local docker install

**ssh seckc@104.131.158.79**

- 1.5 **docker login** (*skip step unless you have your own docker instance*)

**note:** docker login command has to be run if you do this on your system.

You can get a free dockerhub account at [hub.docker.com](https://hub.docker.com)

2. run the following commands

**cd docker**

**mkdir username** - ( username will be your handle / tag )

**cd username**

**vi Dockerfile** — or .... nano if you cant vi ... or copy /docker/Dockerfile ./

```
FROM gliderlabs/alpine:latest
MAINTAINER Oss SeckKC <oss@seckc.org>
RUN apk add --no-cache bash && \
    echo "export PS1='oss made this > '" > /root/.bashrc
ENTRYPOINT ["/bin/bash"]
```

3. Put the above lines in the Dockerfile.

Replace **Oss SeckKC** <oss@seckc.org> with your info (**MAINTAINER seckc workshops** <seckc@workshops>)

Replace 'oss made this' line with your own prompt. ( **echo "export PS1='made at seckc > '" > /root/.bashrc** )

4. Run the docker build command

**docker build -t dockerhubaccount/repo:tag .** (←— **there is a period here for current directory**)

**docker build -t workshops4seckc/demo:oss .** (←—*replace oss with your workshops4seckc/demo:tag for the tag*)

5. Create a screen session to start your container and remember your screen name. Below I make oss-screen

**screen -S your-screen-name-here docker run -it workshops4seckc/demo:tag**

**screen -S oss-screen docker run -it workshops4seckc/demo:oss**

6. Disconnect from your running screen session

**Control + A, then the D key to disconnect**

*Successful disconnect will change your terminal prompt*

7. Next run docker ps and find your container id (grep for your tag) i.e. docker ps | grep yourname

**docker ps | grep oss**

the item we need here is the first column. It contains your **container id**. i.e. **43b40bcafb1b**

8. Take the container id from the running container and run docker commit with it

**docker commit 43b40bcafb1b<tab> workshops4seckc/demo:your-tag-here** (←— **note contdockerhub\_id/repo:tag** )

**docker commit 43b40bcafb1b02455020b2bed02922 workshops4seckc/demo:oss**

upon success this will return an sha256 sum

9. Next we need to push to docker hub to publish our container

**docker push workshops4seckc/demo:your-tag-here** (←— **note dockerhub\_id/repo:tag** )

**docker push workshops4seckc/demo:oss**

upon success this will return an sha256 sum

10. visit <https://hub.docker.com/r/workshops4seckc/demo/tags/> find your tag :)

11. re-attach to your screen session that was created above and exit. (cleanup)

**screen -rx oss-screen**

**exit**