```
controlplane $ mkdir env-arg-exercise
controlplane $ touch Dockerfile
controlplane $ 1s -al
total 8
drwxr-xr-x 2 root root 4096 Feb 27 13:02 .
drwx----- 6 root root 4096 Feb 27 13:02 ..
-rw-r--r- 1 root root 0 Feb 27 13:02 Dockerfile
controlplane $ ■
```

controlplane \$ vim Dockerfile

```
ENV and ARG example

ARG TAG=latest

FROM ubuntu:$TAG

LABEL maintainer=luigi@mydomain.com

ENV PUBLISHER=packt APP_DIR=/usr/local/app/bin

CMD ["env"]

~
```

controlplane \$ docker image build -t env-arg --build-arg TAG=19.04 .

controlplane \$ docker image build -t env-arg --build-arg TAG=19.04 . Sending build context to Docker daemon 2.048kB Step 1/5 : ARG TAG=latest Step 2/5 : FROM ubuntu:\$TAG 19.04: Pulling from library/ubuntu 4dc9c2fff018: Pull complete 0a4ccbb24215: Pull complete c0f243bc6706: Pull complete 5ff1eaecba77: Pull complete Digest: sha256:2adeae829bf27a3399a0e7db8ae38d5adb89bcaf1bbef378240bc0e6724e8344 Status: Downloaded newer image for ubuntu:19.04 ---> c88ac1f841b7 Step 3/5 : LABEL maintainer=luigi@mydomain.com ---> Running in cc0452f17d06 Removing intermediate container cc0452f17d06 ---> 064455a94e6c Step 4/5 : ENV PUBLISHER=packt APP_DIR=/usr/local/app/bin ---> Running in 1ffb8ee6516f Removing intermediate container 1ffb8ee6516f ---> b66311a2eb84 Step 5/5 : CMD ["env"] ---> Running in 3e009e0b466c Removing intermediate container 3e009e0b466c ---> 9b0fd71dc7fe Successfully built 9b0fd71dc7fe Successfully tagged env-arg:latest

controlplane \$ docker container run env-arg

controlplane \$ docker container run env-arg

PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin

HOSTNAME=015891a90fa8

PUBLISHER=packt

APP_DIR=/usr/local/app/bin

HOME=/root

controlplane \$ docker images

REPOSITORY TAG IMAGE ID CREATED SIZE env-arg latest 9b0fd71dc7fe 9 minutes ago 70MB ubuntu 19.04 c88ac1f841b7 3 years ago 70MB

controlplane \$ docker login

Login with your Docker ID to push and pull images from Docker Hub. If you don't have a Docker ID, head over to https://hub.docker.com to create one.

Username: crills

Password:

WARNING! Your password will be stored unencrypted in /root/.docker/config.json.

Configure a credential helper to remove this warning. See

https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded

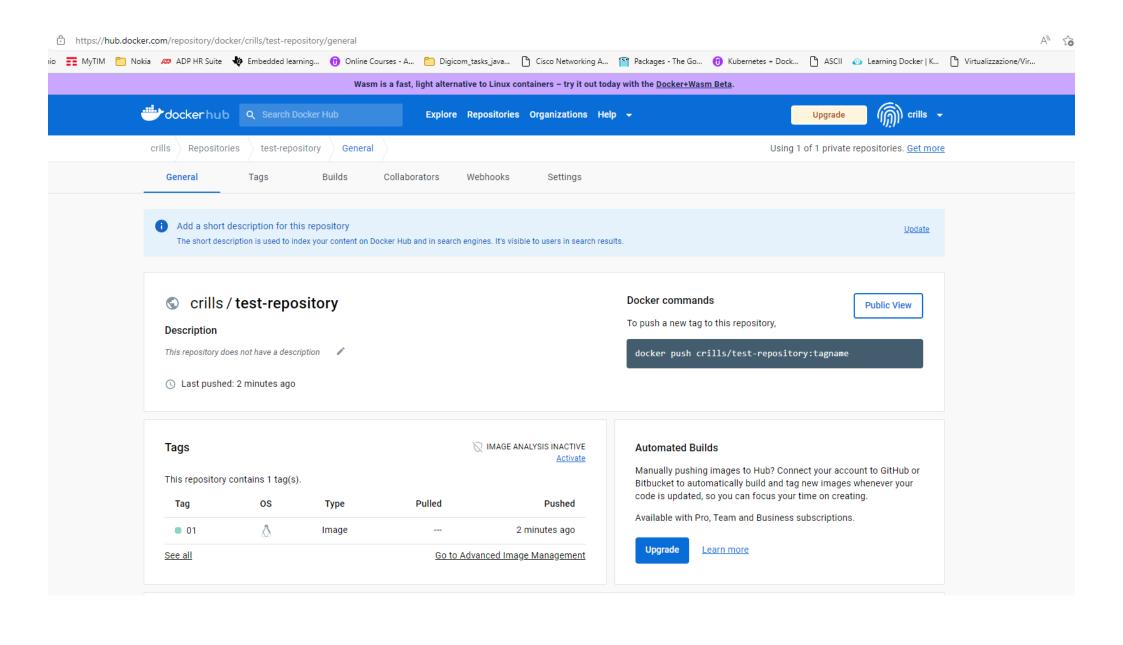
controlplane \$ docker tag env-arg crills/test-repository:01

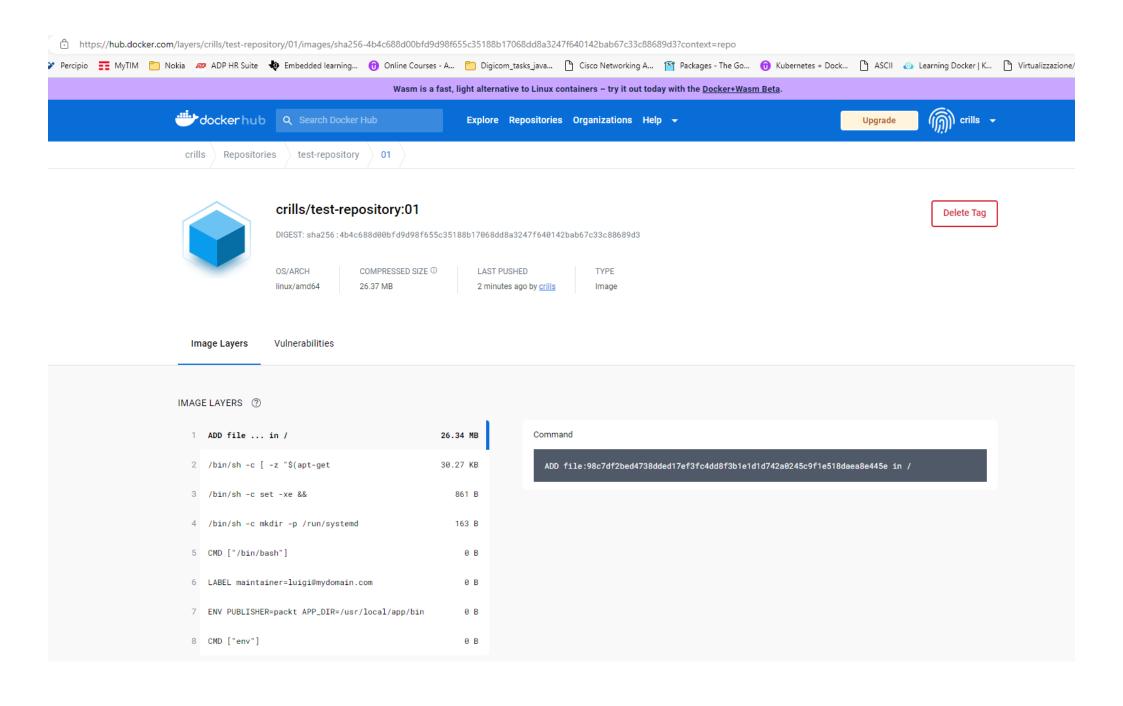
controlplane \$ docker push crills/test-repository:01

The push refers to repository [docker.io/crills/test-repository]

311180c0cfcf: Mounted from library/ubuntu 8ac4be6e0e4b: Mounted from library/ubuntu 363295e4406a: Mounted from library/ubuntu 873cbe4bd21e: Mounted from library/ubuntu

01: digest: sha256:4b4c688d00bfd9d98f655c35188b17068dd8a3247f640142bab67c33c88689d3 size: 1152





controlplane \$ docker tag env-arg crills/test-repository:env-arg01

controlplane \$ docker push crills/test-repository:env-arg01

The push refers to repository [docker.io/crills/test-repository]

311180c0cfcf: Layer already exists 8ac4be6e0e4b: Layer already exists 363295e4406a: Layer already exists 873cbe4bd21e: Layer already exists

env-arg01: digest: sha256:4b4c688d00bfd9d98f655c35188b17068dd8a3247f640142bab67c33c88689d3 size: 1152

