

aguirre@vm-docker:~\$ cd DUARTE-containers/

Partie écriture Dockerfile :

```
aguirre@vm-docker:~/DUARTE-containers/hello-alpine$ git pull
Already up to date.
aguirre@vm-docker:~/DUARTE-containers/hello-alpine$ git add Dockerfile
aguirre@vm-docker:~/DUARTE-containers/hello-alpine$ git commit -m "my first docker image"
[main 34d0571] my first docker image
1 file changed, 7 insertions(+)
aguirre@vm-docker:~/DUARTE-containers/hello-alpine$ git branch
* main
aguirre@vm-docker:~/DUARTE-containers/hello-alpine$ git push
Username for 'https://github.com': robsondhj
Password for 'https://robsondhj@github.com':
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 2 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (4/4), 495 bytes | 495.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0)
To https://github.com/Robsondhj/DUARTE-containers.git
e543eed..34d0571 main -> main
aguirre@vm-docker:~/DUARTE-containers/hello-alpine$
```

Build partie :

```
aguirre@vm-docker:~/DUARTE-containers/hello-alpine$ sudo docker build . -t robson/hello-alpine:3.15.0
Sending build context to Docker daemon 2.048kB
Step 1/5 : FROM alpine:3.15.0
3.15.0: Pulling from library/alpine
Digest: sha256:21a3deaa0d32a8057914f36584b5288d2e5ecc984380bc0118285c70fa8c9300
Status: Downloaded newer image for alpine:3.15.0
--> c059bfaa849c
Step 2/5 : LABEL maintainer="robson duarte" os="alpine"
--> Running in 47573223edfd
Removing intermediate container 47573223edfd
--> 977504e3c4e6
Step 3/5 : ENV CONTAINER_USER="robson"
--> Running in bf5fe7940cdd
Removing intermediate container bf5fe7940cdd
--> 9add19aa4ae4
Step 4/5 : RUN adduser $CONTAINER_USER --disabled-password
--> Running in 3baa05d92e04
Removing intermediate container 3baa05d92e04
--> 003d357a8c50
Step 5/5 : CMD echo "Message initiale d'exécution de l'image"
--> Running in 26faa194f7d4
Removing intermediate container 26faa194f7d4
--> 8a02da85607b
Successfully built 8a02da85607b
Successfully tagged robson/hello-alpine:3.15.0
aguirre@vm-docker:~/DUARTE-containers/hello-alpine$
```

Création de l'image :

```
aguirre@vm-docker:~/DUARTE-containers/hello-alpine$ sudo su
root@vm-docker:/home/aguirre/DUARTE-containers/hello-alpine# docker images
REPOSITORY          TAG             IMAGE ID        CREATED         SIZE
robson/hello-alpine 3.15.0         8a02da85607b   2 minutes ago  5.59MB
postgres            latest         da2cb49d7a8d   8 days ago     374MB
mysql               latest         d1dc36cf8d9e   8 days ago     519MB
alpine              3.15.0         c059bfaa849c   2 months ago   5.58MB
alpine              latest         c059bfaa849c   2 months ago   5.58MB
hello-world         latest         feb5d9fea6a5   4 months ago   13.3kB
root@vm-docker:/home/aguirre/DUARTE-containers/hello-alpine#
```

Lancement image

```
root@vm-docker:/home/aguirre/DUARTE-containers# docker run robson/hello-alpine:3.15.0
Message initiale d'exécution de l'image
root@vm-docker:/home/aguirre/DUARTE-containers# docker ps -a
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS          PORTS
TS            NAMES
97b0aab0231d   robson/hello-alpine:3.15.0   "/bin/sh -c 'echo \"M...\""   About a minute ago   Exited (0) About a minute ago
gallant_ferri
c83587a4eeae   postgres      "docker-entrypoint.s..."   6 days ago        Up 6 days          543
2/tcp
cad5ddf87d0    mysql        "docker-entrypoint.s..."   6 days ago        Exited (1) 6 days ago
goofy_dirac
root@vm-docker:/home/aguirre/DUARTE-containers#
```

Docker login

```
root@vm-docker:/home/aguirre/DUARTE-containers# docker login
Login with your Docker ID to push and pull images from Docker Hub. If you don't have a Docker.com account, you can create one.
Username: rdhj
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
root@vm-docker:/home/aguirre/DUARTE-containers#
```

Lien troubleshooting :

<https://qastack.fr/programming/41984399/denied-requested-access-to-the-resource-is-denied-docker>


On a eu un problème de push avec Docker Hub\*\*\* :

```
Login Succeeded
aguirre@vm-docker:~/DUARTE-containers/hello-alpine$ docker push robson/hello-alpine:3.15.0
Got permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Post "http://%2Fvar%2Frun%2Fdocker.sock/v1.24/images/robson/hello-alpine/push?tag=3.15.0": dial unix /var/run/docker.sock: connect: permission denied
aguirre@vm-docker:~/DUARTE-containers/hello-alpine$ sudo docker push robson/hello-alpine:3.15.0
The push refers to repository [docker.io/robson/hello-alpine]
da43b3118a20: Preparing
8d3ac3489996: Preparing
denied: requested access to the resource is denied
aguirre@vm-docker:~/DUARTE-containers/hello-alpine$ sudo docker tag firstimage robson/hello-alpine/firstimage
Error response from daemon: No such image: firstimage:latest
aguirre@vm-docker:~/DUARTE-containers/hello-alpine$ sudo docker tag firstimage rdhj/firstimage
Error response from daemon: No such image: firstimage:latest
aguirre@vm-docker:~/DUARTE-containers/hello-alpine$ docker tag robson/hello-alpine:3.15.0 rdhj/rdhj:myfirstimagepush
Got permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Post "http://%2Fvar%2Frun%2Fdocker.sock/v1.24/images/robson/hello-alpine:3.15.0/tag?repo=rdhj%2Frdhj&tag=myfirstimagepush": dial unix /var/run/docker.sock: connect: permission denied
aguirre@vm-docker:~/DUARTE-containers/hello-alpine$ sudo docker tag robson/hello-alpine:3.15.0 rdhj/rdhj:myfirstimagepush
aguirre@vm-docker:~/DUARTE-containers/hello-alpine$ sudo docker push rdhj/rdhj:myfirstimagepush
The push refers to repository [docker.io/rdhj/rdhj]
da43b3118a20: Pushed
8d3ac3489996: Pushed
myfirstimagepush: digest: sha256:355804cce110293e1b5ea479056dc1fc36b019d8495a2c8fc2b2943700113221 size: 736
aguirre@vm-docker:~/DUARTE-containers/hello-alpine$
```

Ce qui est correcte :


```
aguirre@vm-docker:~/DUARTE-containers/hello-alpine$ sudo docker tag robson/hello-alpine:3.15.0 rdhj/rdhj:myfirstimagepush
aguirre@vm-docker:~/DUARTE-containers/hello-alpine$ sudo docker push rdhj/rdhj:myfirstimagepush
The push refers to repository [docker.io/rdhj/rdhj]
da43b3118a20: Pushed
8d3ac3489996: Pushed
myfirstimagepush: digest: sha256:355804cce110293e1b5ea479056dc1fc36b019d8495a2c8fc2b2943700113221 size: 736
aguirre@vm-docker:~/DUARTE-containers/hello-alpine$
```

On va utiliser l'image d'un autre étudiant :

 docker hub

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[Explore](#) [fyngom/hello-alpine](#)



## fyngom/hello-alpine

By fyngom • Updated 2 days ago

hello-alpine containers

Container

[Pulls 17](#)

[Overview](#) [Tags](#)

Sort by Newest

TAG

1.0.0

Last pushed 2 days ago by fyngom

DIGEST

06bcf4441824

OS/ARCH

linux/amd64

COMPRESSED SIZE

2.69 MB

docker pull fyngom/hello-alpine:1.0.0

```
aguirre@vm-docker:~/DUARTE-containers/hello-alpine$ sudo docker pull fyngom/hello-alpine:1.0.0
1.0.0: Pulling from fyngom/hello-alpine
59bfc3509f3: Already exists
855563ea93f8: Pull complete
Digest: sha256:06bcf4441824a779c12980d9539ad501257f08d8b128b8d7368781b55a40fc4c
Status: Downloaded newer image for fyngom/hello-alpine:1.0.0
docker.io/fyngom/hello-alpine:1.0.0
aguirre@vm-docker:~/DUARTE-containers/hello-alpine$ docker images
Got permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Get "http://%2Fvar%2Frun%2Fdocker.sock/v1.24/images/json": dial unix /var/run/docker.sock: connect: permission denied
aguirre@vm-docker:~/DUARTE-containers/hello-alpine$ sudo docker images
REPOSITORY          TAG          IMAGE ID       CREATED        SIZE
rdhj/rdhj            myfirstimagepush  8a02da85607b   41 minutes ago  5.59MB
robson/hello-alpine  3.15.0       8a02da85607b   41 minutes ago  5.59MB
fyngom/hello-alpine  1.0.0        8538bc80e7b4   2 days ago    5.59MB
postgres             latest       da2cb49d7a8d   8 days ago    374MB
mysql                latest       d1dc36cf8d9e   8 days ago    519MB
alpine               3.15.0      c059bfaa849c   2 months ago  5.58MB
alpine               latest      c059bfaa849c   2 months ago  5.58MB
hello-world          latest      feb5d9fea6a5   4 months ago  13.3kB
aguirre@vm-docker:~/DUARTE-containers/hello-alpine$
```

Lancement de l'image choisie et affichage de résultat :

```

aguirre@vm-docker:~/DUARTE-containers/hello-alpine$ sudo docker run fyngom/hello-alpine
Unable to find image 'fyngom/hello-alpine:latest' locally
docker: Error response from daemon: manifest for fyngom/hello-alpine:latest not found: manifest unknown: manifest unknown.
See 'docker run --help'.
aguirre@vm-docker:~/DUARTE-containers/hello-alpine$ sudo docker run fyngom/hello-alpine:1.0.0
hello-alpine, I'm yacine and this is a container from my first image
aguirre@vm-docker:~/DUARTE-containers/hello-alpine$ docker ps -a
Got permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Get "http://%2Fvar%2Frun%2Fdocker.sock/v1.24/containers/json?all=1": dial unix /var/run/docker.sock: connect: permission denied
aguirre@vm-docker:~/DUARTE-containers/hello-alpine$ sudo docker ps -a

```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
28a47a782049	fyngom/hello-alpine:1.0.0	"/bin/sh -c 'echo \"h...\""	23 seconds ago	Exited (0) 21 seconds ago	
infalible_kare					
97b0aab0231d	robson/hello-alpine:3.15.0	"/bin/sh -c 'echo \"M...\""	38 minutes ago	Exited (0) 38 minutes ago	
gallant_fermi					
c83587a4eeae	postgres	"docker-entrypoint.s..."	6 days ago	Up 6 days	5432/tcp
postgres					
cad5ddfd87d0	mysql	"docker-entrypoint.s..."	6 days ago	Exited (1) 6 days ago	
goofy_dirac					

```

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```