TP Initiation Docker

1ère Partie: Installation d'une machine virtuelle Debian 11.x

Créer une machine virtuelle.

2ème Partie: Installation de Docker sur Linux

Installer Docker sur Linux en utilisant la commande wget -O dockerinstall.sh https://get.docker.com .

Lancer le script d'installation de Docker avec la commande sh./dockerinstall.sh.

La commande docker version permet de savoir si Docker s'est correctement installé.

```
root@debian11:~# docker version
Client: Docker Engine – Community
Version:
                   20.10.10
API version:
                   1.41
                   go1.16.9
Go version:
Git commit:
                   b485636
Built:
                   Mon Oct 25 07:43:23 2021
                   linux/amd64
OS/Arch:
Context:
                   default
Experimental:
                   true
Server: Docker Engine – Community
Engine:
 Version:
                   20.10.10
 API version:
                   1.41 (minimum version 1.12)
 Go version:
                   go1.16.9
 Git commit:
                   e2f740d
 Built:
                   Mon Oct 25 07:41:30 2021
 OS/Arch:
                   linux/amd64
 Experimental:
                   false
containerd:
 Version:
                   1.4.11
 GitCommit:
                   5b46e404f6b9f661a205e28d59c982d3634148f8
runc:
 Version:
                   1.0.2
 GitCommit:
                   v1.0.2-0-g52b36a2
docker-init:
 Version:
                   0.19.0
 GitCommit:
                   de40ad0
```

3^{ème} Partie: Premiers pas avec Docker

Installer l'image "Hello World" avec la commande docker pull hello-world.

```
root@debian11:~# docker pull hello—world
Using default tag: latest
latest: Pulling from library/hello—world
2db29710123e: Pull complete
Digest: sha256:cc15c5b292d8525effc0f89cb299f1804f3a725c8d05e158653a563f15e4f685
Status: Downloaded newer image for hello—world:latest
docker.io/library/hello—world:latest
```

Démarrer un conteneur "Hello World" avec la commande docker run hello-world .

root@debian11:~# docker run hello–world Hello from Docker! This message shows that your installation appears to be working correctly. To generate this message, Docker took the following steps: 1. The Docker client contacted the Docker daemon. 2. The Docker daemon pulled the "hello-world" image from the Docker Hub. (amd64) 3. The Docker daemon created a new container from that image which runs the executable that produces the output you are currently reading. 4. The Docker daemon streamed that output to the Docker client, which sent it to your terminal. To try something more ambitious, you can run an Ubuntu container with: \$ docker run –it ubuntu bash Share images, automate workflows, and more with a free Docker ID: https://hub.docker.com/ For more examples and ideas, visit: https://docs.docker.com/get-started/

Le conteneur s'arrête après avoir fini d'afficher le conteneur. La commande **docker ps** permet de visualiser les containers en cours.

root@debian11:~# docker ps CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

Le conteneur peut être retrouvé avec la commande **docker ps -a** qui affiche les containers qui avaient été créés.

root@debian11:	~# docker ps –	а				
CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
70640e381c9a	hello-world	"/hello"	2 minutes ago	Exited (0) 2 minutes ago		charmin
g_wilbur						
7b34d7ea91e2	hello-world	"/hello"	6 days ago	Exited (0) 6 days ago		serene_
bhaskara						

La commande docker images permet de lister les images.

root@debian11:	~# docker	images		
REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
hello-world	latest	feb5d9fea6a5	8 weeks ago	13.3kB

4ème Partie : Manipulations de base

Le site https://hub.docker.com/explore/ donne accès à de nombreuses images. La commande docker search -f stars=5 nginx permet de faire la recherche contenant le mot-clé nginx et au moins cinq étoiles en notation.

tiangolo/nginx–rtmp [OK]	Docker image with Nginx using the nginx–rtmp…	146
jlesage/nginx–proxy–manager [OK]	Docker container for Nginx Proxy Manager	144
alfg/nginx–rtmp [OK]	NGINX, nginx–rtmp–module and FFmpeg from sou…	110
nginxdemos/hello [OK]	NGINX webserver that serves a simple page co…	78
privatebin/nginx–fpm–alpine [OK]	PrivateBin running on an Nginx, php–fpm & Al…	60
nginx/nginx–ingress	NGINX and NGINX Plus Ingress Controllers fo…	57
nginxinc/nginx–unprivileged	Unprivileged NGINX Dockerfiles	54
nginxproxy/nginx–proxy	Automated Nginx reverse proxy for docker con…	28
staticfloat/nginx–certbot [OK]	Opinionated setup for automatic TLS certs lo…	25
nginx/nginx–prometheus–exporter	NGINX Prometheus Exporter for NGINX and NGIN	22
schmunk42/nginx–redirect [OK]	A very simple container to redirect HTTP tra…	19
centos/nginx–112–centos7	Platform for running nginx 1.12 or building	16
centos/nginx-18-centos7	Platform for running nginx 1.8 or building n…	13
flashspys/nginx–static [OK]	Super Lightweight Nginx Image	11
bitwarden/nginx	The Bitwarden nginx web server acting as a r…	11
mailu/nginx	Mailu nginx frontend	9
[OK] webdevops/nginx	Nginx container	9
[OK] sophos/nginx–vts–exporter [OK]	Simple server that scrapes Nginx vts stats a	7

La commande docker help affiche les commandes du client.

```
Export a container's filesystem as a tar archive
  export
 history
              Show the history of an image
 images
             List images
              Import the contents from a tarball to create a filesystem image
  import
 info
             Display system—wide information
             Return low-level information on Docker objects
  inspect
             Kill one or more running containers
 kill
             Load an image from a tar archive or STDIN
 load
             Log in to a Docker registry
 login
 logout
             Log out from a Docker registry
             Fetch the logs of a container
 logs
 pause
             Pause all processes within one or more containers
             List port mappings or a specific mapping for the container
 port
             List containers
 pull
             Pull an image or a repository from a registry
             Push an image or a repository to a registry
             Rename a container
 rename
 restart
             Restart one or more containers
             Remove one or more containers
 rm
 rmi
             Remove one or more images
             Run a command in a new container
 run
             Save one or more images to a tar archive (streamed to STDOUT by default)
 save
             Search the Docker Hub for images
 search
 start
             Start one or more stopped containers
             Display a live stream of container(s) resource usage statistics
 stats
 stop
             Stop one or more running containers
              Create a tag TARGET_IMAGE that refers to SOURCE_IMAGE
  tag
             Display the running processes of a container
 top
 unpause
             Unpause all processes within one or more containers
 update
             Update configuration of one or more containers
 version
             Show the Docker version information
 wait
             Block until one or more containers stop, then print their exit codes
Run 'docker COMMAND ——help' for more information on a command.
To get more help with docker, check out our guides at https://docs.docker.com/go/guides/
```

La commande **docker help nom_de_la_commande** permet de voir les options d'une commande. exemple **docker help import** .

```
root@debian11:~# docker help import

Usage: docker import [OPTIONS] file|URL|– [REPOSITORY[:TAG]]

Import the contents from a tarball to create a filesystem image

Options:

—c, —-change list Apply Dockerfile instruction to the created image
—m, —-message string Set commit message for imported image
—-platform string Set platform if server is multi-platform capable
```

5^{ème} Partie: Second conteneur

Pour récupérer une image dans sa dernière version il faut utiliser la commande docker pull ubuntu:latest .

```
root@debian11:~# docker pull ubuntu:latest
latest: Pulling from library/ubuntu
7b1a6ab2e44d: Pull complete
Digest: sha256:626ffe58f6e7566e00254b638eb7e0f3b11d4da9675088f4781a50ae288f3322
Status: Downloaded newer image for ubuntu:latest
docker.io/library/ubuntu:latest
```

La commande docker images affiche les images présentes sur la machine.

```
root@debian11:~# docker images
                         IMAGE ID
REPOSITORY
               TAG
                                         CREATED
                                                         SIZE
                                                          72.8MB
ubuntu
               latest
                         ba6acccedd29
                                         6 weeks ago
hello-world
                         feb5d9fea6a5
                                         2 months ago
                                                          13.3kB
               latest
```

La commande **docker run ubuntu** permet de lancer le conteneur ubuntu. La commande peut s'écrire aussi par **docker run ubuntu:latest** .

```
root@debian11:~# docker run ubuntu
root@debian11:~# docker run ubuntu:latest
root@debian11:~# _
```

Faites la commande **docker ps** mais rien ne s'affiche. Faites la commande **docker ps -a** pour afficher les conteneurs.

```
COMMAND
                                   CREATED
                                                        PORTS
                                                                  NAMES
ONTAINER ID
              IMAGE
oot@debian11:~# docker ps –a
              IMAGE
                               COMMAND
                                                                                     PORTS
                                                                                                NAMES
CONTAINER ID
                                "bash"
                                                          Exited (0) 3 months ago
4c23ac377dbd
              ubuntu:latest
                                                                                                awesome
_hermann
de1f39c1a795
                                           3 months ago
                                                          Exited (0) 3 months ago
                                                                                                condesc
ending_proskuriakova
              hello-world
                                                          Exited (0) 3 months ago
70640e381c9a
                                          3 months ago
                                                                                                charmin
_wilbur
b34d7ea91e2
              hello-world
                                           3 months ago
                                                          Exited (0) 3 months ago
                                                                                                serene
 naskara
```

Pour lancer un conteneur en mode interactif, faites la commande docker run -i -t ubuntu.

```
root@debian11:~# docker run –i –t ubuntu
root@3d47ca048952:/#
```

L'identifiant de l'utilisateur est modifié en un identifiant créé par Docker.

La commande **Is** peut toujours faire afficher les fichiers présents.

```
root@3d47ca048952:/# ls
bin dev home lib32 libx32 mnt proc run srv <mark>tmp</mark> var
boot etc lib lib64 media opt root sbin sys usr
```

Le conteneur est étanche. Les modifications faites dans le conteneur n'affectent pas la vraie machine. Par exemple, il est possible de supprimer le répertoire /home avec la commande rm -fr /home .

```
root@3d47ca048952:/# rm –fr /home
root@3d47ca048952:/# ls
bin dev lib lib64 media opt root sbin sys usr
boot etc lib32 libx32 mnt proc run srv <mark>tmp</mark> var
```

La commande exit permet de sortir du conteneur.

```
root@3d47caO48952:/# exit
exit
root@debian11:~# _
```

Pour connaître le nom du dernier conteneur, il faut utiliser la commande **docker ps -a** . Utiliser la commande **docker diff [identifiant du conteneur]** pour voir les portions supprimées **(D)** ou celles créées **(C)** .

```
CONTAINER ID
              IMAGE
                               COMMAND
                                                                                                  NAM
                                                                                        PORTS
                               "bash"
3e67b5c3dba9
                                          4 minutes ago
                                                           Exited (0) 3 minutes ago
              ubuntu
ghty_villani
                              "bash"
                                          5 minutes ago
                                                           Exited (0) 5 minutes ago
31ba7d6ea22
              ubuntu:latest
                                                                                                  ela
ed_mahavira
                               "bash"
a5b522d3c1cc
                                                           Exited (0) 5 minutes ago
                                          5 minutes ago
              uhuntu
lescending_poitras
47082ce654a1 hello-world
                               "/hello"
                                          11 minutes ago Exited (0) 11 minutes ago
                                                                                                  nau
hty_mcclintock
oot@debian11:~# docker diff naughty_villani
 /root
  /root/.bash_history
```

Cette manipulation n'a pas d'effet sur l'image ubuntu.

On peut relancer la commande **docker run -i -t ubuntu** . Le répertoire **/home** est toujours présent.

```
root@debian11:~# docker run –i –t ubuntu
root@af938f0bc46c:/# ls
bin dev home lib32 libx32 mnt proc run srv <mark>tmp</mark> var
boot etc lib lib64 media opt root sbin sys usr
```

Pour persister l'état d'un conteneur en une nouvelle image, il faut utiliser la commande docker commit [identifiant ou nom du conteneur] [nom de l'image].

```
root@debian11:~# docker commit naughty_villani ubuntu
sha256:3e9c0247a01fb21e6ec826b91889d8317829ff9d7030041282bb9615d0e51885
root@debian11:~# docker run –i –t ubuntu
root@5b3bd367359b:/# ls
bin dev lib lib64 media opt root sbin sys usr
boot etc lib32 libx32 mnt proc run srv <mark>tmp</mark> var
```

La commande docker rm [nom du conteneur] supprime le conteneur.

root@debian11:	~# docker ps –a					
CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
5b3bd367359b	ubuntu	"bash"	19 hours ago	Exited (0) 19 hours ago		blissful
_ritchie						
af938f0bc46c	825d55fb6340	"bash"	20 hours ago	Exited (0) 19 hours ago		modest_h
aslett						
a5b522d3c1cc	825d55fb6340	"bash"	20 hours ago	Exited (0) 20 hours ago		condesce
nding_poitras						
47082ce654a1	hello-world	"/hello"	20 hours ago	Exited (0) 20 hours ago		naughty_
mcclintock	~ I .					
	~# docker rm mo	idest_has1et	i t			
modest_haslett						

Si on ne veut pas conserver l'image, utiliser la commande docker rmi [nom de l'image].

root@debian11	l:~# docker	images		
REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
ubuntu	latest	3e9c0247a01f	20 hours ago	72.8MB
ubuntu	<none></none>	825d55fb6340	7 days ago	72.8MB
hello–world	latest	feb5d9fea6a5	6 months ago	13.3kB

On ne peut pas supprimer une image si elle est contenue dans un conteneur. On observe une erreur.

```
root@debian11:~# docker rmi ubuntu:latest
Error response from daemon: conflict: unable to remove repository reference "ubuntu:latest" (must fo
rce) – container 5b3bd367359b is using its referenced image 3e9c0247a01f
```

Pour forcer la suppression de l'image, utiliser la commande docker rmi -f [nom de l'image].

```
oot@debian11:~# docker rmi –f ubuntu:latest
Untagged: ubuntu:latest
Deleted: sha256:3e9c0247a01fb21e6ec826b91889d8317829ff9d7030041282bb9615d0e51885
oot@debian11:~# docker images
REPOSITORY
              TAG
                        IMAGE ID
                                       CREATED
                                                       SIZE
ubuntu
                        825d55fb6340
                                        7 days ago
                                                       72.8MB
              <none>
hello-world
              latest
                        feb5d9fea6a5
                                       6 months ago
                                                       13.3kB
```

Quand l'image n'est pas contenue dans un conteneur, la commande docker rmi [nom de l'image] fonctionne.

root@debian11	:~# docker	images		
REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
ubuntu	<none></none>	825d55fb6340	7 days ago	
hello–world	latest	feb5d9fea6a5	6 months ago	13.3kB
root@debian11	:~# docker	tag 825d55fb63	40 latest	
root@debian11	:~# docker	images		
REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
latest	latest	825d55fb6340	7 days ago	72.8MB
ubuntu	<none></none>	825d55fb6340	7 days ago	72.8MB
hello-world	latest	feb5d9fea6a5	6 months ago	13.3kB
root@debian11	:~# docker	rmi latest:lat	est	
Untagged: lat	est:latest			
root@debian11	:∼# docker	images		
REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
ubuntu	<none></none>	825d55fb6340	7 days ago	72.8MB
hello–world	latest	feb5d9fea6a5	6 months ago	13.3kB

Pour lancer un conteneur avec un nom choisi, utiliser la commande :

docker run --name=[nom choisi] [image à instancier]

```
ot@debian11:~# docker run ——name=imageTest ubuntu
oot@debian11:~# docker ps –a
CONTAINER ID
e1352d137c3c
               IMAGE
                                COMMAND
                                                                                          PORTS
                                                                                                     NAMES
                                           3 seconds ago
                                                             Exited (0) 3 seconds ago
               uhuntu
                                "hash"
                                                                                                     image
est
                                "bash"
5b3bd367359b
               3e9c0247a01f
                                           21 hours ago
                                                             Exited (0) 20 hours ago
                                                                                                     blisst
ul_ritchie
               ubuntu
                                           21 hours ago
                                                             Exited (0) 21 hours ago
                                                                                                     condes
a5b522d3c1cc
cending_poitras
47082ce654a1
                                "/hello"
               hello-world
                                           21 hours ago
                                                             Exited (0) 21 hours ago
                                                                                                     naught
 _mcclintock
```

Pour lancer un conteneur en mode détaché : docker run -d [image à instancier]

La commande docker ps montre que le conteneur est actif.

```
Unable to find image 'nginx:latest' locally
latest: Pulling from library/nginx
c229119241af: Pull complete
 215908dc0a2: Pull complete
08c3cb2073f1: Pull complete
18f38162c0ce: Pull complete
10e2168f148a: Pull complete
:4ffe9532b5f: Pull complete
Digest: sha256:2275af0f20d71b293916f1958f8497f987b8d8fd8113df54635f2a5915002bf1
Status: Downloaded newer image for nginx:latest
9317aa23d061c93912837bf0e2d6a567cd731809732741873f1158b3ee05593f
root@ebian11:~# docker ps
CONTAINER ID
                      IMAGE
                                      COMMAND
                                                                             CREATED
                                                                                                                                 PORTS
                             NAMES
9317aa23d061
                                                                             40 seconds ago
                                                                                                       Up 38 seconds
   :::88->80/tcp
                            infallible_payne
```

Pour arrêter un conteneur : docker stop [id du conteneur ou nom du conteneur]

```
root@debian11:~# docker stop 9317aa23d061
9317aa23d061
root@debian11:~# docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
```

Pour supprimer un conteneur de manière forcée : docker rm -f [id du conteneur ou nom du conteneur]

```
olissful_ritchie
                         imageTest
                                                  naughty_mcclintock
condescending_poitras infallible_payne
oot@debian11:~# docker rm –f blissful_ritchie
blissful_ritchie
root@debian11:~# docker ps –a
ONTAINER ID
                IMAGE
                               COMMAND
                                                           CREATED
         NAMES
317aa23d061
                                "/docker-entrypoint..."
                                                           25 minutes ago
                                                                              Exited (0) 7 minutes ago
               nginx
         infallible_payne
                                "bash"
                                                                              Exited (0) 52 minutes ago
              ubuntu
                                                           52 minutes ago
          imageTest
a5b522d3c1cc ubuntu
                                "bash"
                                                           22 hours ago
                                                                              Exited (0) 22 hours ago
         cloc upunted
condescending_poitras
condescending_poitras
'/hello'
47082ce654a1 hello-world
                                                           22 hours ago
                                                                              Exited (0) 22 hours ago
         naughty_mcclintock
```

Pour démarrer un conteneur : docker start [id du conteneur ou nom du conteneur]

```
oot@debian11:~# docker start imageTest
.mageTest
oot@debian11:~# docker ps
CONTAINER ID IMAGE
                         COMMAND
                                                         PORTS
                                                                    NAMES
oot@debian11:~# docker ps –a
                             COMMAND
ONTAINER ID IMAGE
PORTS N
9317aa23d061
           NAMES
           1 nginx
infallible_payne
                              "/docker-entrypoint..."
                                                        37 minutes ago
                                                        About an hour ago
                                                                             Exited (0) 25 seconds ago
             ubuntu
           imageTest
a5b522d3c1cc ubuntu
                              "bash"
                                                                             Exited (0) 22 hours ago
                                                        22 hours ago
condescending_poitras
47082ce654a1 hello-world "/hello"
                                                        22 hours ago
                                                                             Exited (0) 22 hours ago
           naughty_mcclintock
```

Pour redémarrer un conteneur : docker restart [id du conteneur ou nom du conteneur]

root@debian11:~# docker rest imageTest	art imageTest		
root@debian11:~# docker ps -	·a		
CONTAINER ID IMAGE	COMMAND	CREATED	STATUS
PORTS NAMES			
9317aa23d061 nginx	"/docker–entrypoint"	55 minutes ago	Exited (0) 37 minutes ago
infallible_payne			
e1352d137c3c ubuntu	"bash"	About an hour ago	Exited (0) 5 seconds ago
imageTest			
a5b522d3c1cc ubuntu	"bash"	22 hours ago	Exited (0) 22 hours ago
condescending_po	itras		
47082ce654a1 hello-world	"/hello"	23 hours ago	Exited (0) 23 hours ago
naughty_mcclinto	ick		

Pour remplacer une portion d'arborescence du conteneur par un emplacement hôte, docker run -d -p 88:80 --name web -v [dossier hôte] : [dossier sur conteneur] [nom de l'image]

ro permet de spécifier que l'accès est autorisé mais en lecture seule.

root@debian11:~# docker run –d –p 88:80 ––name web –v /home/jpg/Documents/www:/usr/share/nginx/html: ro nginx 4887902a7c633a8ae191c4584fcc5687917b02eb161bff924b15f2eca692362f

6ème Partie: A vous de jouer!

Télécharger l'image officielle d'un serveur apache 2

Créer un dossier se nommant web à la racine

Dans ce répertoire, positionnez les fichiers html, css...

Lancez un conteneur se nommant monserveurapache2 en mode détaché, rediriger le port 80 vers le port 8080, mettre en correspondance la localisation par défaut des fichiers à exposer par apache2 avec le répertoire web.

```
oot@debian11:/web# ls
index.html style.css
oot@debian11:/web# docker run –d –p 8080:80 ––name monserveurapache2 –v /web:/usr/share/apache2/htm
l∶ro ubuntu/apache2
L35680bf8a4d13cdc692d339ea2627b1c5d1580f1c20cb8c719d7ba2a788f8f0
oot@debian11:/web# docker ps
CONTAINER ID
               IMAGE
                                 COMMAND
                                                                                           PORTS
                            NAMES
e2 "apache2—foreground"
echo?
135680bf8a4d
               ubuntu/apache2
                                                                          Up 11 seconds
                                                         12 seconds ago
                                                                                           0.0.0.0:8080
 >80/tcp, :::8080->80/tcp
                           monserveurapache2
```

Créer un dossier se nommant **webPerso** dans le **home** de l'utilisateur Dans ce répertoire, positionnez les fichiers html, css...

Lancez un conteneur se nommant **monserveurnginx** en **mode détaché**, rediriger le port **80** vers le port **8081**, mettre en correspondance la localisation par défaut des fichiers à exposer par **nginx** avec le répertoire **webPerso** .

```
root@debian11:/home# mkdir webPerso
root@debian11:/home# cd webPerso/
root@debian11:/home/webPerso# touch index.html
root@debian11:/home/webPerso# touch index.html
root@debian11:/home/webPerso# touch style.css
root@debian11:/home/webPerso# docker run –d –p 8081:80 ––name monserveurnginx –v /home/webPerso:/usr
/share/nginx/html:ro nginx
3bdad866b231ada36d2fa4b2af99d634ef51d7118f14c7a2efa13e50e829038a
```

Lister les conteneurs actifs.

root@debian11:/home/webPerso# CONTAINER ID IMAGE	docker ps COMMAND	CREATED	STATUS	PORTS
	NAMES			
3bdad866b231 nginx 81–>80/tcp. :::8081–>80/tcp	"/docker-entrypoint" monserveurnginx	21 seconds ago	Up 21 seconds	0.0.0.0:80
135680bf8a4d ubuntu/apache2 80–>80/tcp, :::8080–>80/tcp		12 minutes ago	Up 12 minutes	0.0.0.0:80

Stopper le conteneur monserveurnginx.

```
root@debian11:/home/webPerso# docker stop monserveurnginx
monserveurnginx
root@debian11:/home/webPerso# docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS
NAMES
135680bf8a4d ubuntu/apache2 "apache2–foreground" 15 minutes ago Up 15 minutes 0.0.0.0:8080
–>80/tcp, :::8080–>80/tcp monserveurapache2
```

Supprimer le conteneur monserveurnginx .

		_		
root@debian11:	:/home/webPerso# c	docker rm −f monserveurngi	inx	
monserveurngir	ıx			
root@debianī1:	:/home/webPerso# o	docker ps –a		
CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS
PORTS		NAMES		
135680bf8a4d	ubuntu/apache2	"apache2–foreground"	17 minutes ago	Up 17 minutes
0.0.0.0:8080->	80/tcp, :::8080->	80/tcp monserveurapache	2	
4887902a7c63	nginx	"/docker–entrypoint"	2 hours ago	Exited (0) 2 hours ago
		web		
9317aa23d061	nginx	"/docker–entrypoint"	3 hours ago	Exited (0) 3 hours ago
		infallible_payne		
e1352d137c3c	ubuntu	"bash"	4 hours ago	Exited (0) 2 hours ago
		imageTest		
a5b522d3c1cc	ubuntu	"bash"	25 hours ago	Exited (0) 25 hours ago
		condescending_po	pitras	
47082ce654a1	hello-world	"/hello"	25 hours ago	Exited (0) 25 hours ago
		naughty_mcclinto	ock	

Supprimer le conteneur monserveurapache2.

root@debian11: monserveurapad		# docker rm –f monserveur	apache2		
root@debian11:	/home/webPerso	# docker ps -a			
CONTAINER ID NAMES	IMAGE	COMMAND	CREATED	STATUS	PORTS
4887902a7c63 web	nginx	"/docker-entrypoint"	2 hours ago	Exited (0) 2 hours ago	
9317aa23d061 infallibl	nginx Le naune	"/docker-entrypoint"	3 hours ago	Exited (0) 3 hours ago	
e1352d137c3c imageTest	ubuntu	"bash"	4 hours ago	Exited (0) 2 hours ago	
a5b522d3c1cc		"bash"	25 hours ago	Exited (0) 25 hours ago	
47082ce654a1		"/hello"	25 hours ago	Exited (0) 25 hours ago	