

## DNF UPDATE :

```
user@SRV-DOCKER-9:~$ dnf update
python-unversioned-command-3.9.14-1.el9_1.2.noarch
python3-cairo-1.20.1-1.el9.x86_64
python3-firewall-1.1.1-3.el9.noarch
python3-hawkey-0.67.0-3.el9.x86_64
python3-libs-3.9.14-1.el9_1.2.noarch
python3-lxml-4.6.3-3.el9.x86_64
python3-rpm-4.16.1-3-19.el9_1.x86_64
python3-setuptools-wheel-53.0.0-10.el9_1.1.noarch
rasdaemon-0.6.7-8.el9.x86_64
rocky-logos-90.14-1.el9.x86_64
rpm-4.16.1-3-19.el9_1.x86_64
rpm-plugin-audit-4.16.1-3-19.el9_1.x86_64
rpm-sign-libs-4.16.1-3-19.el9_1.x86_64
rsyslog-gnutls-8.2102.0-105.el9.x86_64
rsyslog-relp-8.2102.0-105.el9.x86_64
samba-common-4.16.4-103.el9_1.noarch
sane-backends-drivers-cameras-1.0.32-7.el9.x86_64
selinux-policy-34.1.43-1.el9_1.2.noarch
Setup-2.13.7-7.el9.noarch
shadow-utils-2.4.9-5.el9.x86_64
sos-4.5.1-3.el9_1.noarch
sssd-2.7.3-4.el9_1.3.x86_64
sssd-common-2.7.3-4.el9_1.3.x86_64
sssd-krb5-2.7.3-4.el9_1.3.x86_64
sssd-ldap-2.7.3-4.el9_1.3.x86_64
sudo-1.9.5p2-7.el9_1.1.x86_64
systemd-libs-250-12.el9_1.3.x86_64
systemd-udev-250-12.el9_1.3.x86_64
teamd-1.31-16.el9_1.x86_64
tracker-3.1.2-3.el9_1.x86_64
util-linux-core-2.37.4-9.el9.x86_64
vim-common-2.8.2-2637-20.el9_1.x86_64
vim-minimal-2.8.2-2637-20.el9_1.x86_64
wavpack-5.4.0-5.el9.x86_64
which-2.21-28.el9.x86_64
wpebackend-fdo-1.18.0-3.el9.x86_64
xdg-desktop-portal-gtk-1.12.0-3.el9.x86_64
xorg-x11-server-Xorg-1.20.11-11.el9.x86_64
yajl-2.1.0-21.el9.x86_64
zlib-1.2.11-35.el9_1.x86_64
power-profiles-daemon-0.11.1-1.el9.x86_64
python3-3.9.14-1.el9_1.2.x86_64
python3-dnf-4.12.0-4.el9.noarch
python3-gobject-3.40.1-6.el9.x86_64
python3-libdnf-0.67.0-3.el9.x86_64
python3-libsemanage-3.4.2.el9.x86_64
python3-ntables-1.1.0-4-10.el9_1.x86_64
python3-setools-4.4.0-5.el9.x86_64
qemu-guest-agent-1.7-7.0-13.el9_1.2.x86_64
rocky-backgrounds-90.14-1.el9.noarch
rocky-release-9.1-11.el9.noarch
rpm-build-libs-4.16.1-3-19.el9_1.x86_64
rpm-plugin-selinux-4.16.1-3-19.el9_1.x86_64
rsync-3.2.3-18.el9.x86_64
rsyslog-gssapi-8.2102.0-105.el9.x86_64
runc-4.1.1-4-1.el9_1.x86_64
samba-common-libs-4.16.4-103.el9_1.x86_64
sane-backends-drivers-scanners-1.0.32-7.el9.x86_64
selinux-policy-targeted-34.1.43-1.el9_1.2.noarch
sg3_utils-1.47-9.el9.x86_64
shadow-utils-subid-2.4.9-5.el9.x86_64
speex-1.2.0-11.el9.x86_64
sssd-ad-2.7.3-4.el9_1.3.x86_64
sssd-common-pac-2.7.3-4.el9_1.3.x86_64
sssd-krb5-2.7.3-4.el9_1.3.x86_64
sssd-proxy-2.7.3-4.el9_1.3.x86_64
sushi-3.38.1-2.el9.x86_64
systemd-pam-250-12.el9_1.3.x86_64
tar-2.1.34-6.el9_1.x86_64
tpm2-tools-5.2-2.el9_1.x86_64
tzdata-2023c-1.el9.noarch
util-linux-user-2.37.4-9.el9.x86_64
vim-enhanced-2.8.2-2637-20.el9_1.x86_64
virt-what-1.25-1.el9.x86_64
webkit2gtk3-2.36.7-1.el9_1.3.x86_64
woff2-1.0.2-15.el9.x86_64
xdg-dbus-proxy-0.1.3-1.el9.x86_64
xorg-x11-drv-wacom-1.0.0-1.el9_0.1.x86_64
xorg-x11-server-Xwayland-21.1.3-3.el9.x86_64
yum-4.12.0-4.el9.noarch
procps-ng-3.3.17-8.el9.x86_64
python3-audit-3.0.7-103.el9.x86_64
python3-dnf-plugins-core-4.1.0-3.el9.noarch
python3-gobject-base-3.40.1-6.el9.x86_64
python3-libs-3.9.14-1.el9_1.2.x86_64
python3-libxml2-2.9.13-3.el9_1.x86_64
python3-policycoreutils-3.4.4.el9.noarch
python3-setuptools-53.0.0-10.el9_1.1.noarch
qpdf-libs-10.3.1-6.el9.x86_64
rocky-gpg-keys-9.1-11.el9.noarch
rocky-repos-9.1-11.el9.noarch
rpm-libs-4.16.1-3-19.el9_1.x86_64
rpm-plugin-systemd-inhibit-4.16.1-3-19.el9_1.x86_64
rsyslog-8.2102.0-105.el9.x86_64
rsyslog-logrotate-8.2102.0-105.el9.x86_64
samba-client-libs-4.16.4-103.el9_1.x86_64
sane-backends-1.0.32-7.el9.x86_64
sane-backends-libs-1.0.32-7.el9.x86_64
setroubleshoot-server-3.28-4.el9.x86_64
sg3_utils-libs-1.47-9.el9.x86_64
slirp4netns-1.2.0-2.el9.x86_64
sqlite-libs-3.34.1-6.el9_1.x86_64
sssd-client-2.7.3-4.el9_1.3.x86_64
sssd-ipa-2.7.3-4.el9_1.3.x86_64
sssd-krb5-common-2.7.3-4.el9_1.3.x86_64
strace-5.18-2.el9.x86_64
systemd-250-12.el9_1.3.x86_64
systemd-rpm-macros-250-12.el9_1.3.noarch
tcl-8.6.10-7.el9.x86_64
tpm2-tss-3.0.3-8.el9.x86_64
util-linux-2.37.4-9.el9.x86_64
vdo-8.2.0-2-1.el9.x86_64
vim-filesystem-2.8.2-2637-20.el9_1.noarch
vulkan-loader-1.3.224.0-2.el9.x86_64
webkit2gtk3-jsc-2.36.7-1.el9_1.3.x86_64
wpa_supplicant-1.22.10-4.el9.x86_64
xdg-desktop-portal-1.12.4-1.el9.x86_64
xorg-x11-drv-wacom-serial-support-1.0.0-1.el9_0.1.x86_64
xorg-x11-server-common-1.20.11-11.el9.x86_64
zenity-3.32.0-8.el9.x86_64
kernel-5.14.0-162.23.1.el9_1.x86_64
openldap-compat-2.6.2-3.el9.x86_64
xdg-desktop-portal-gnome-41.2-1.el9.x86_64
Terminé !
[user@SRV-DOCKER-9 ~]$
```

## dnf install -y yum-utils

```
user@SRV-DOCKER-9 ~]$ dnf install -y yum-utils
Erreur : Cette commande doit être exécutée avec les privilèges super-utilisateur (sous l'utilisateur root)
sur la plupart des systèmes).
user@SRV-DOCKER-9 ~]$ sudo dnf install -y yum-utils
[sudo] Mot de passe de user :
Dernière vérification de l'expiration des métadonnées effectuée il y a 0:22:08 le mar. 09 mai 2023 11:45:52.
Dépendances résolues.
=====
Paquet                Architecture  Version      Dépôt      Taille
-----
Installation:
yum-utils              noarch       4.1.0-3.el9  baseos    36 kB
Résumé de la transaction
=====
Installer 1 Paquet
Taille totale des téléchargements : 36 kB
Taille des paquets installés : 23 kB
Téléchargement des paquets :
yum-utils-4.1.0-3.el9.noarch.rpm          96 kB/s | 36 kB   00:00
-----
Total                                     42 kB/s | 36 kB   00:00
Test de la transaction
La vérification de la transaction a réussi.
Lancement de la transaction de test
Transaction de test réussie.
Exécution de la transaction
Préparation :                               1/1
Installation : yum-utils-4.1.0-3.el9.noarch 1/1
Exécution du scriptlet: yum-utils-4.1.0-3.el9.noarch 1/1
Vérification de : yum-utils-4.1.0-3.el9.noarch 1/1
Installé:
yum-utils-4.1.0-3.el9.noarch
Terminé !
[user@SRV-DOCKER-9 ~]$
```

## dnf install -y device-mapper-persistent-data

## dnf install -y lvm2

(déjà installé pas nécessaire)

```
user@SRV-DOCKER-9 ~]$ sudo dnf install -y device-mapper-persistent-data
Dernière vérification de l'expiration des métadonnées effectuée il y a 0:22:45 le mar. 09 mai 2023 11:45:52.
Le paquet device-mapper-persistent-data-0.9.0-13.el9.x86_64 est déjà installé.
Dépendances résolues.
Rien à faire.
Terminé !
user@SRV-DOCKER-9 ~]$ sudo dnf install -y lvm2
Dernière vérification de l'expiration des métadonnées effectuée il y a 0:22:54 le mar. 09 mai 2023 11:45:52.
Le paquet lvm2-9:2.03.16-3.el9.x86_64 est déjà installé.
Dépendances résolues.
Rien à faire.
Terminé !
user@SRV-DOCKER-9 ~]$
```

dnf repolist :

```
[user@SRV-DOCKER-9 ~]$ dnf repolist
id du dépôt                                nom du dépôt
appstream                                   Rocky Linux 9 - AppStream
baseos                                       Rocky Linux 9 - BaseOS
extras                                       Rocky Linux 9 - Extras
[user@SRV-DOCKER-9 ~]$
```

Désactiver le parfeu applicatif ::

```
SELINUX=disable
# SELINUXTYPE= can take one of these three values:
#   targeted - Targeted processes are protected,
#   minimum - Modification of targeted policy. Only selected processes are protected.
#   mls - Multi Level Security protection.
SELINUXTYPE=targeted
```

```
[user@SRV-DOCKER-9 ~]$ sudo su
[root@SRV-DOCKER-9 user]# setenforce 0
[root@SRV-DOCKER-9 user]#
```

```
[root@SRV-DOCKER-9 user]# dnf config-manager --add-repo https://download.docker.com/linux/centos/docker-ce.repo
Ajout du dépôt depuis : https://download.docker.com/linux/centos/docker-ce.repo
[root@SRV-DOCKER-9 user]#
```

Vérification des repository :

```
[root@SRV-DOCKER-9 user]# dnf repolist
id du dépôt                                nom du dépôt
appstream                                   Rocky Linux 9 - AppStream
baseos                                       Rocky Linux 9 - BaseOS
docker-ce-stable                            Docker CE Stable - x86_64
extras                                       Rocky Linux 9 - Extras
[root@SRV-DOCKER-9 user]#
```

Installation de docker

```
Installé:
containerd.io-1.6.21-3.1.el9.x86_64      docker-buildx-plugin-0.10.4-1.el9.x86_64
docker-ce-3:23.0.6-1.el9.x86_64         docker-ce-cli-1:23.0.6-1.el9.x86_64
docker-ce-rootless-extras-23.0.6-1.el9.x86_64  docker-compose-plugin-2.17.3-1.el9.x86_64

Terminé !
[root@SRV-DOCKER-9 user]#
```

## Désactivation du pare-feu

```
failed to disable unit: unit file firewalld.service does not exist.
[root@SRV-DOCKER-9 user]# systemctl disable firewalld
Removed "/etc/systemd/system/multi-user.target.wants/firewalld.service".
Removed "/etc/systemd/system/dbus-org.fedoraproject.FirewallD1.service".
[root@SRV-DOCKER-9 user]#
```

Une fois docker démarrer on constate que ça fonctionne

```
Docs: https://docs.docker.com
[user@SRV-DOCKER-9 ~]$ systemctl start docker
[user@SRV-DOCKER-9 ~]$ systemctl status docker
● docker.service - Docker Application Container Engine
   Loaded: loaded (/usr/lib/systemd/system/docker.service; disabled; vendor p
   Active: active (running) since Tue 2023-05-09 14:13:54 CEST; 2s ago
 TriggeredBy: ● docker.socket
   Docs: https://docs.docker.com
  Main PID: 2775 (dockerd)
    Tasks: 8
   Memory: 99.0M
    CPU: 291ms
   CGroup: /system.slice/docker.service
           └─2775 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/cont
mai 09 14:13:53 SRV-DOCKER-9 systemd[1]: Starting Docker Application Container
mai 09 14:13:53 SRV-DOCKER-9 dockerd[2775]: time="2023-05-09T14:13:53.918716176
mai 09 14:13:53 SRV-DOCKER-9 dockerd[2775]: time="2023-05-09T14:13:53.953846399
mai 09 14:13:54 SRV-DOCKER-9 dockerd[2775]: time="2023-05-09T14:13:54.275880507
mai 09 14:13:54 SRV-DOCKER-9 dockerd[2775]: time="2023-05-09T14:13:54.333736064
mai 09 14:13:54 SRV-DOCKER-9 dockerd[2775]: time="2023-05-09T14:13:54.333938200
mai 09 14:13:54 SRV-DOCKER-9 systemd[1]: Started Docker Application Container E
mai 09 14:13:54 SRV-DOCKER-9 dockerd[2775]: time="2023-05-09T14:13:54.383259835
lines 1-20/20 (END)
```

```
Server:
 Containers: 0
  Running: 0
  Paused: 0
  Stopped: 0
 Images: 0
 Server Version: 23.0.6
 Storage Driver: overlay2
  Backing Filesystem: xfs
  Supports d_type: true
  Using metacopy: false
  Native Overlay Diff: true
 userxattr: false
 Logging Driver: json-file
 Cgroup Driver: systemd
 Cgroup Version: 2
 Plugins:
  Volume: local
  Network: bridge host ipvlan macvlan null overlay
  Log: awslogs fluentd gcplogs gelf journald json-file local logentries splunk syslog
 Swarm: inactive
 Runtimes: io.containerd.runc.v2 runc
 Default Runtime: runc
 Init Binary: docker-init
 containerd version: 3dce8eb055cbb6872793272b4f20ed16117344f8
 runc version: v1.1.7-0-g860f061
 init version: de40ad0
 Security Options:
  seccomp
   Profile: builtin
  cgroupns
 Kernel Version: 5.14.0-162.23.1.el9_1.x86_64
 Operating System: Rocky Linux 9.1 (Blue Onyx)
 OSType: linux
 Architecture: x86_64
 CPUs: 2
 Total Memory: 7.501GiB
 Name: SRV-DOCKER-9
 ID: cfe6aee9-2cf4-4379-ad8e-a5ab03696c02
 Docker Root Dir: /var/lib/docker
 Debug Mode: false
 Registry: https://index.docker.io/v1/
 Experimental: false
 Insecure Registries:
  127.0.0.0/8
 Live Restore Enabled: false
```

docker info :

```
[root@SRV-DOCKER-9 user]# docker version
Client: Docker Engine - Community
Version: 23.0.6
API version: 1.42
Go version: go1.19.9
Git commit: ef23cbc
Built: Fri May 5 21:19:37 2023
OS/Arch: linux/amd64
Context: default

Server: Docker Engine - Community
Engine:
Version: 23.0.6
API version: 1.42 (minimum version 1.12)
Go version: go1.19.9
Git commit: 9dbdbd4
Built: Fri May 5 21:18:11 2023
OS/Arch: linux/amd64
Experimental: false
containerd:
Version: 1.6.21
GitCommit: 3dce8eb055cbb6872793272b4f20ed16117344f8
runc:
Version: 1.1.7
GitCommit: v1.1.7-0-g860f061
docker-init:
Version: 0.19.0
GitCommit: de40ad0
[root@SRV-DOCKER-9 user]#
```

installer l'image hello-world

```
[root@SRV-DOCKER-9 user]# docker run hello-world
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
719385e32844: Pull complete
Digest: sha256:9eabfcf6034695c4f6208296be9090b0a3487e20fb6a5cb056525242621cf73d
Status: Downloaded newer image for hello-world:latest

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/

[root@SRV-DOCKER-9 user]#
```

Rechercher une image (ici alpine) :

```
[root@SRV-DOCKER-9 user]# docker search alpine
NAME                DESCRIPTION                                STARS    OFFICIAL
AUTOMATED
alpine              A minimal Docker image based on Alpine Linux... 9933     [OK]
alpinelinux/docker-cli  Simple and lightweight Alpine Linux image wi... 7
alpinelinux/alpine-gitlab-ci  Build Alpine Linux packages with Gitlab CI 3
alpinelinux/gitlab-runner-helper  Helper image container gitlab-runner-helper ... 2
alpinelinux/alpine-drone-ci  Build Alpine Linux packages with drone CI 0
alpinelinux/apkbuild-lint-tools  Tools for linting APKBUILD files in a CI env... 0
alpinelinux/unbound 3
alpinelinux/docker-compose  docker-compose image based on Alpine Linux 0
alpinelinux/gitlab-runner  Alpine Linux gitlab-runner (supports more ar... 4
alpinelinux/docker-alpine 0
alpinelinux/docker-abuild  Dockerised abuild 0
alpinelinux/ansible  Ansible in docker 0
alpinelinux/rsyncd 0
alpinelinux/darkhttpd 1
alpinelinux/golang  Build container for golang based on Alpine L... 1
alpinelinux/build-base  Base image suitable for building packages wi... 0
alpinelinux/mqtt-exec 0
rancher/alpine-git 1
grafana/alpine  Alpine Linux with ca-certificates package in... 4
alpinelinux/package-builder  Container to build packages for a repository 1
alpinelinux/git-mirror-syncd 0
alpinelinux/mirror-status 0
alpinelinux/alpine-docker-gitlab  Gitlab running on Alpine Linux 0
alpinelinux/zabbix-ci  Minimal Zabbix web-frontend images for use i... 0
alpinelinux/aports-qa-bot  A Gitlab bot that gives feedback on aports m... 0
[root@SRV-DOCKER-9 user]#
```

visualiser les images

```
[root@SRV-DOCKER-9 user]# docker images
REPOSITORY          TAG          IMAGE ID          CREATED          SIZE
hello-world         latest      9c7a54a9a43c     4 days ago      13.3kB
alpine              latest      9ed4aefc74f6     5 weeks ago     7.05MB
[root@SRV-DOCKER-9 user]#
```

On constate que on peut envoyer des commande au conteneur alpine qui nous répond

```
[root@SRV-DOCKER-9 user]# docker run alpine echo "BONJOUR"
BONJOUR
[root@SRV-DOCKER-9 user]#
```

On peut aussi avoir un shell interactif en précisant -it ainsi que sh a la fin de la commande :

```
[root@SRV-DOCKER-9 user]# docker run -it alpine sh
/ # cat /etc/alpine-release
3.17.3
/ #
```

On peut voir que le shell ouvert

```
[root@SRV-DOCKER-9 user]# docker container ps
CONTAINER ID   IMAGE     COMMAND   CREATED        STATUS              PORTS          NAMES
2492010c5f6d   alpine   "sh"      31 seconds ago Up 30 seconds      gallant_shirley
44d4469e398a   alpine   "sh"      4 minutes ago  Up 4 minutes       quizzical_antonelli
```

```
[root@SRV-DOCKER-9 user]# docker run -itd alpine sh
0cb93467fccd2543af5736167336376f73bc12fe2fd832683900bfe3915a2c99
[root@SRV-DOCKER-9 user]#
```

```
[root@SRV-DOCKER-9 user]# docker container ls
CONTAINER ID   IMAGE     COMMAND   CREATED        STATUS              PORTS          NAMES
0cb93467fccd   alpine   "sh"      32 seconds ago Up 31 seconds      festive_wu
```

lancement de deux conteneurs en arrière plan :

```
CONTAINER ID   IMAGE     COMMAND   CREATED        STATUS              PORTS          NAMES
0cb93467fccd   alpine   "sh"      32 seconds ago Up 31 seconds      festive_wu
44d4469e398a   alpine   "sh"      6 minutes ago  Up 6 minutes       quizzical_antonelli
```

Arrêt de ces deux conteneurs :

```
[root@SRV-DOCKER-9 user]# docker container ls
CONTAINER ID   IMAGE     COMMAND   CREATED        STATUS              PORTS          NAMES
2d8854c2c581   alpine   "sh"      4 seconds ago  Up 3 seconds       angry_sutherland
[root@SRV-DOCKER-9 user]# docker kill 2d8854c2c581
2d8854c2c581
[root@SRV-DOCKER-9 user]# docker container ls
CONTAINER ID   IMAGE     COMMAND   CREATED        STATUS              PORTS          NAMES
[root@SRV-DOCKER-9 user]#
```

affichage et suppression de tout les conteneurs

```
[root@SRV-DOCKER-9 user]# docker container ls -a
CONTAINER ID   IMAGE     COMMAND   CREATED        STATUS              PORTS          NAMES
2d8854c2c581   alpine   "sh"      2 minutes ago  Exited (137) 2 minutes ago  angry_sutherland
0cb93467fccd   alpine   "sh"      6 minutes ago  Exited (137) 3 minutes ago  festive_wu
2492010c5f6d   alpine   "sh"      8 minutes ago  Exited (0) 6 minutes ago  gallant_shirley
bd2eec242899   alpine   "sh"      10 minutes ago Exited (0) 9 minutes ago  interesting_feynm
n
c0392bb204bd   alpine   "echo BONJOUR"  11 minutes ago Exited (0) 11 minutes ago  flamboyant_almeid
fc14978f1b03   alpine   "sh"      11 minutes ago Exited (0) 11 minutes ago  pedantic_beaver
44d4469e398a   alpine   "sh"      12 minutes ago Exited (137) 2 minutes ago  quizzical_antonel
i
7b49461a64f2   alpine   "sh"      12 minutes ago Exited (0) 12 minutes ago  great_ptolemy
00b26d0af15f   alpine   "ls"      12 minutes ago Exited (0) 12 minutes ago  vigorous_shamir
f51e62b92c14   alpine   "touch test"  13 minutes ago Exited (0) 13 minutes ago  flamboyant_lamarr
01910b9de59e   alpine   "ls /home"    13 minutes ago Exited (0) 13 minutes ago  peaceful_engelbar
c42c68c84948   alpine   "ls"      14 minutes ago Exited (0) 14 minutes ago  naughty_dijkstra
[root@SRV-DOCKER-9 user]# docker rm 2d8
2d8
[root@SRV-DOCKER-9 user]# docker rm 0cb
0cb
[root@SRV-DOCKER-9 user]# docker rm 249
249
[root@SRV-DOCKER-9 user]# docker rm bd2ee
bd2ee
[root@SRV-DOCKER-9 user]# docker rm c0392
c0392
[root@SRV-DOCKER-9 user]# docker rm fc14
fc14
[root@SRV-DOCKER-9 user]# docker rm 44d44
```



## Suppression d'une image :

```
[root@SRV-DOCKER-9 user]# docker rmi spotify/alpine
Untagged: spotify/alpine:latest
Untagged: spotify/alpine@sha256:1ee421796dfa0d46e3e8dd39c488150817b8471ca4c4b6bb8188247613ea0e5b
Deleted: sha256:eab0286b7606aa2abd257cd6b057e115c9723bbb40dc1c4c08fe05e9a083a2f1
Deleted: sha256:750091630f7e32ce88b4fff0c9842bbb289dc5281fe41b51f73b823f5f1a5f94
Deleted: sha256:df64d3292fd6194b7865d7326af5255db6d81e9df29f48adde61a918fbd8c332
[root@SRV-DOCKER-9 user]#
```

```
[root@SRV-DOCKER-9 user]# docker images
REPOSITORY      TAG          IMAGE ID      CREATED        SIZE
hello-world     latest      9c7a54a9a43c  4 days ago    13.3kB
alpine          latest      9ed4aefc74f6  5 weeks ago   7.05MB
[root@SRV-DOCKER-9 user]#
```

2,12 :

Docker diff :

```
[root@SRV-DOCKER-9 user]# docker diff 070
A /leo
C /root
A /root/.ash_history
```

2,14 : Enregistrer les paramètres d'une image

```
[root@SRV-DOCKER-9 user]# docker commit 07 leo/alpine_modif
sha256:d882b812e0bda734186d29e7666360e904dfb6a066954743b34df4ad75154d9c
[root@SRV-DOCKER-9 user]#
```

Docker inspect :

```
[root@SRV-DOCKER-9 user]# docker inspect leo/alpine_modif
[
  {
    "Id": "sha256:d882b812e0bda734186d29e7666360e904dfb6a066954743b34df4ad75154d9c",
    "RepoTags": [
      "leo/alpine_modif:latest"
    ],
    "RepoDigests": [],
    "Parent": "sha256:9ed4aefc74f6792b5a804d1d146fe4b4a2299147b0f50eaf2b08435d7b38c27e",
    "Comment": "",
    "Created": "2023-05-09T13:36:26.26524549Z",
    "Container": "070af338299504d10fb86037efa9227a6764df6d48aefc15ab0fb0a5317e9208",
    "ContainerConfig": {
      "Hostname": "070af3382995",
      "Domainname": "",
      "User": "",
      "AttachStdin": true,
      "AttachStdout": true,
      "AttachStderr": true,
      "Tty": true,
      "OpenStdin": true,
      "StdinOnce": true,
      "Env": [

```

Savoir sur qu'elle port ecoute l'image :

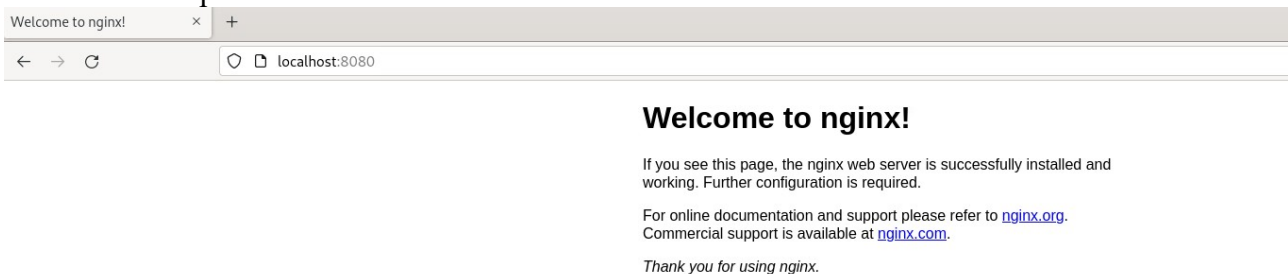
```
[root@SRV-DOCKER-9 user]# docker inspect d882 | grep HostPort
[root@SRV-DOCKER-9 user]# docker inspect alpine | grep HostPort
[root@SRV-DOCKER-9 user]#
```

## 2,15 : Exxecuter une commande dans un conteneur existant

```
[root@SRV-DOCKER-9 user]# docker run -itd alpine
58f5e96febc64d0973c8c066ffdf9fe87da5b2d2d31c25382e262fb13e00e6c7
[root@SRV-DOCKER-9 user]# docker exec -it 58f sh
/ # ls
bin      etc      lib      mnt      proc     run      srv      tmp      var
dev      home    media    opt      root     sbin     sys      usr
```

```
[root@SRV-DOCKER-9 user]# docker run -it -v /home/user:/data alpine:latest sh
/ # ls /data
Bureau      Images      Musique     Téléchargements  leo
Documents   Modèles    Public      Vidéos
```

## Redirection de ports :



```
[root@SRV-DOCKER-9 user]# docker run -d -p 8080:80 --name web1 netroby/alpine-nginx
Unable to find image 'netroby/alpine-nginx:latest' locally
latest: Pulling from netroby/alpine-nginx
recaled-schema-v2/
de11ae980b1: Pull complete
a3e095caeb02: Pull complete
18c4a824fd12: Pull complete
32815dc2303: Pull complete
39df48db2dca: Pull complete
841089485079: Pull complete
4dd25902199d: Pull complete
Digest: sha256:6633b498e51e28e07d5a300c294f5f4315f1f893fbc4abd61d3da8c02ceb4d1
Status: Downloaded newer image for netroby/alpine-nginx:latest
fbcf248c481a3fff9d7317991f2bfe6945f2fd23393b0f5ae4d8f5f66b1ff351
```