TP/TD Docker

3. Dcoker sous Linux

1.

```
dio@lucky-theone:~$ docker -v
Docker version 26.1.0, build 9714adc

dio@lucky-theone:~$ systemctl status docker
● docker.service - Docker Application Container Engine
     Loaded: loaded (/lib/systemd/system/docker.service; enabled; vendor
preset: enabled)
     Active: active (running) since Mon 2024-04-29 10:32:52 CEST; 1h 5min ago
TriggeredBy: ● docker.socket
       Docs: https://docs.docker.com
   Main PID: 36896 (dockerd)
      Tasks: 18
     Memory: 31.9M
        CPU: 1.753s
     CGroup: /system.slice/docker.service
             └─36896 /usr/bin/dockerd -H fd:// --
containerd=/run/containerd/containerd.sock

avril 29 10:32:51 lucky-theone dockerd[36896]: time="2024-04-
29T10:32:51.499656810+02:00" level=info msg="[graphdriver] using prior storage
driver: overlay2"
avril 29 10:32:51 lucky-theone dockerd[36896]: time="2024-04-
29T10:32:51.499933052+02:00" level=info msg="Loading containers: start."
avril 29 10:32:52 lucky-theone dockerd[36896]: time="2024-04-
29T10:32:52.112122407+02:00" level=info msg="Default bridge (docker0) is
assigned with an IP address 172.17.0.0/16. Daemon option --bip can be used t>
avril 29 10:32:52 lucky-theone dockerd[36896]: time="2024-04-
29T10:32:52.208222966+02:00" level=info msg="Loading containers: done."
avril 29 10:32:52 lucky-theone dockerd[36896]: time="2024-04-
29T10:32:52.222050603+02:00" level=info msg="Docker daemon" commit=c8af8eb
containerd-snapshotter=false storage-driver=overlay2 version=26.1.0
avril 29 10:32:52 lucky-theone dockerd[36896]: time="2024-04-
29T10:32:52.222103345+02:00" level=info msg="Daemon has completed
initialization"
avril 29 10:32:52 lucky-theone dockerd[36896]: time="2024-04-
29T10:32:52.247484275+02:00" level=info msg="API listen on /run/docker.sock"
avril 29 10:32:52 lucky-theone systemd[1]: Started Docker Application Container
Engine.
avril 29 10:34:36 lucky-theone dockerd[36896]: time="2024-04-
29T10:34:36.206005972+02:00" level=info msg="ignoring event"
container=cb1f80b073ca288a8ecc66c86b928263bc18792501fa3b0144dc2a2323bf7696
module=libcon>
avril 29 11:16:27 lucky-theone dockerd[36896]: time="2024-04-
29T11:16:27.871109704+02:00" level=info msg="ignoring event"
container=6b742696e029cc8c51d5759335a623048680722fe36d944a66259c0582960252
module=libcon>
lines 1-22/22 (END)
```

2.

```
dio@lucky-theone:~$ 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/
```

a) Dcoker nous indique comment il a généré le message 'Hello from Docker'

b)

> *Lien*
> https://hub.docker.com/_/hello-world

c)

  3. Voici la listes des images de Busybox :

Mathys DOMERGUE

```
dio@lucky-theone:~$ docker search busybox
NAME                            DESCRIPTION
STARS    OFFICIAL
busybox                         Busybox base image.
3243     [OK]
rancher/busybox
0
chainguard/busybox              Build, ship and run secure software with
Cha…    0
openebs/busybox-client
1
antrea/busybox
1
airbyte/busybox
0
hugegraph/busybox               test image
2
privatebin/chown                 Docker image providing busybox' chown,
stat…    1
yauritux/busybox-curl           Busybox with CURL
25
radial/busyboxplus              Full-chain, Internet enabled, busybox made
f…    56
vukomir/busybox                 busybox and curl
1
arm64v8/busybox                 Busybox base image.
8
odise/busybox-curl
4
busybox42/zimbra-docker-centos  A Zimbra Docker image, based in ZCS 8.8.9
an…    2
amd64/busybox                   Busybox base image.
1
busybox42/alpine-pod
0
joeshaw/busybox-nonroot         Busybox container with non-root user nobody
2
p7ppc64/busybox                 Busybox base image for ppc64.
2
ppc64le/busybox                 Busybox base image.
1
s390x/busybox                   Busybox base image.
3
i386/busybox                    Busybox base image.
3
arm32v7/busybox                 Busybox base image.
10
prom/busybox                    Prometheus Busybox Docker base images
2
busybox42/nginx_php-docker-centos  This is a nginx/php-fpm server running on
Ce…    1
spotify/busybox                 Spotify fork of
https://hub.docker.com/_/bus…    1
```