

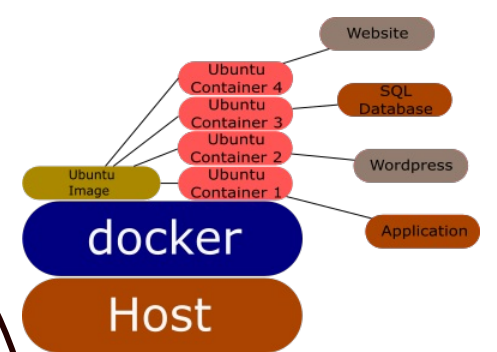
Introduction to docker

`docker exec -it 09d2944ca787 cat /usr/local/apache2/htdocs/index.html` — run external

`docker exec -it 09d2944ca787 bash` — run internal

`docker cp index.html ae75e29cbd51:/usr/local/apache2/htdocs` — copy files to container

commands



docker
Host

Install

- install — `sudo apt install docker.io`
- enable on boot — `sudo systemctl enable docker`
- check status — `sudo systemctl status docker`
- enable user to run without sudo — `sudo usermod -aG docker karti`
- check version — `docker --version`

images

- download — `docker pull centos`
- list — `docker images`
- delete — `docker rmi <image_id_1> <image_id_2>`
- delete all — `docker system prune`

containers

- create — `docker run -d -t --name centos_test centos`
- list active — `docker ps`
- list all — `docker ps -a`
- start — `docker start <container_id>`
- stop — `docker stop <container_id>`
- delete — `docker rm <container_id>`
- delete all — `docker container prune`

example

1 Download Apache

```
(karti@kali)-[~]
$ docker pull httpd
Using default tag: latest
latest: Pulling from library/httpd
af107e978371: Pull complete
eba4da411ea0: Pull complete
4f4fb700ef54: Pull complete
ed4d6291a6c2: Pull complete
b42c390e1de9: Pull complete
eafe388a0bb8: Pull complete
Digest: sha256:f0a93744d8006e6f7ee5086c9ddccdcfa33d1091f15269a00547b4c382459c1f
Status: Downloaded newer image for httpd:latest
docker.io/library/httpd:latest
```

2 Check image details

```
(karti@kali)-[~]
$ docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
ubuntu	latest	174c8c134b2a	3 weeks ago	77.9MB
epi052/feroxbuster	latest	40d814161439	5 weeks ago	16.8MB
httpd	latest	6fd77d7e5eb7	2 months ago	167MB
rustscan/rustscan	latest	2defc265ea15	9 months ago	45.5MB
centos	latest	5d0da3dc9764	2 years ago	231MB

3 Run container on host port 80 and container port 80

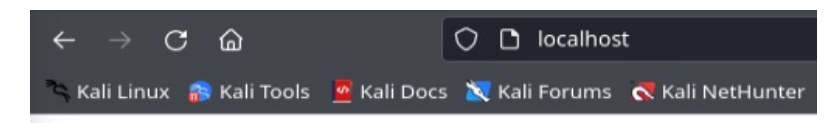
```
(karti@kali)-[~]
$ docker run -d -p 80:80 httpd
09d2944ca787daab3475f265c6d9ca3733a511373f381f7a34afef35c221bd65
```

4 Check container running

```
(karti@kali)-[~]
$ docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
09d2944ca787	httpd	"httpd-foreground"	8 seconds ago	Up 6 seconds	0.0.0.0:80→80/tcp, :::80→80/tcp	interesting_feynman
dea8764e6c41	centos	"/bin/bash"	3 hours ago	Up 3 hours		centos_test

5 Go to localhost and check webpage



It works!