

# DOCKER Commands

*docker info*

*docker version*

*docker help*

*docker images*

*docker ps*

*docker ps -a*

*docker inspect container\_name docker stop container\_name docker logs container\_name*

- List available images  
***docker images***
- Find more details about docker images  
***docker image inspect imageName***
- Working with a real world imageName  
***docker pull nginx***
- Pull specific version of the image  
***docker pull nginx:1.12-alpine-perl***
- Try to run image  
***docker run -p 80:80 nginx***
- Let's try to make a curl request to see if the nginx webserver is running.  
***curl http://localhost:80***
- List out all the running containers  
***docker ps***
- Let's stop running containers  
***docker stop container\_id docker kill container\_d***
- Docker container start  
***docker start container\_id***
- List out the available containers and check whether it is running or not  
***docker ps***
- Try following command  
***docker ps -a***

- Remove container in your docker environment  
***docker rm container\_id***
- List out all available images  
***docker images***
- Remove any image from docker  
***docker rmi image\_id***
- Get login with docker hub  
***docker login***
- Tag docker file with docker hub repository  
***docker tag docker\_id/image\_name***
- Upload docker image to docker hub for everyone use  
***docker push docker\_id/image\_name***
- Access the working container bash terminal  
***docker exec -it container\_id bash***
- Create a new image with existing image  
***docker commit container\_id new\_name***
- Export a container to the PC  
***docker export --output="any\_name" container\_id***
- Export an image to the PC  
***docker save -o image\_name <repo>:<tag>***
- Import an image into the docker from PC  
***docker load -i image\_name***

**`docker rm $(docker ps -aq)`**

create web using nginx

create two files

index.html

Dockerfile

FROM ubuntu

MAINTAINER dimuthu

Run apt-get update

```
Run apt-get install -y nginx
ADD index.html /var/www/html/index.nginx-debian.html
ENTRYPOINT ["/usr/sbin/nginx","-g","daemon off;"]
EXPOSE 80
```

```
docker build -t web_1:1.0 .
docker run -p 80:80 web_1:1.0
docker run -p 8001:80 web_1:1.0
```

### **OTHER WAY (This is easy way).**

```
FROM nginx
COPY . /usr/share/nginx/html
```

```
docker build -t web_3:1.0 .
docker run -p 8001:80 web_3:1.0
```