

DOCKER

COMMANDS

Docker Commands

1. To know docker version
docker version
2. To know the information about current docker installation details
docker info
3. To display all docker images in the system:
docker images
4. **docker ps** to see running and stopped containers
docker ps
 - a. To show all container
docker ps -a
5. To pull image from <http://hub.docker.com>
docker pull alpine
docker pull ubuntu
docker pull ubuntu:14.04
6. To run a new container
docker run <image>
docker run hello-world
7. To run a container under specific port
docker run -d --name web -p 80:8080 caprepo/hello-world
8. To start and stop the running container
docker stop web
docker start web
9. To stop all running containers
docker stop \$(docker ps -aq)
10. To remove all running containers
docker rm \$(docker ps -aq)
 - a. To force to remove running container
docker rm -f \$(docker ps -aq)
11. To remove images
docker rmi \$(docker images -q)
12. To delete all images

docker rmi \$(docker images -q)

- a. Force to delete all images

docker rmi -f \$(docker images -q)

13. Docker login command to login to docker hub registry

docker login

(or)

docker login -u <<username>> <https://index.docker.io/v1/>

-<<username>> docker hub user name

14. To logout from docker hub

docker logout

15. To show the history

docker history <image>

16. To show logs of the container

docker logs <container>

docker logs <<containerId>>

-You can refer docker ps command to get container Id.

17. Kill one or more running containers

docker kill [OPTIONS] CONTAINER [CONTAINER...]

18. Build an image from a Dockerfile

docker build -t \${IMAGE}:\${VERSION}

19. Create a tag TARGET_IMAGE that refers to SOURCE_IMAGE

docker tag \${IMAGE}:\${VERSION} \${IMAGE}:latest

20. Display a live stream of container(s) resource usage statistics

docker stats [OPTIONS] [CONTAINER...]

21. Display the running processes of a container

docker top CONTAINER [ps OPTIONS]

22. Pull an image or a repository from a registry

docker pull [OPTIONS] NAME[:TAG | @DIGEST]

23. Push an image or a repository to a registry

docker push [OPTIONS] NAME[:TAG]

24. Rename a container

docker rename CONTAINER NEW_NAME

25. To know Docker machine ip

docker-machine ip