$ 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:

...(snipped)...

Now would also be a good time to make sure you are using version 1.13 or higher. Run docker --version to check it out.

Container and image related commands

$ docker --version

Docker version 17.05.0-ce-rc1, build 2878a85

docker build -t friendlyname . # Create image using this directory's Dockerfile

docker run -p 4000:80 friendlyname # Run "friendlyname" mapping port 4000 to 80

docker run -d -p 4000:80 friendlyname # Same thing, but in detached mode

docker container ls # List all running containers

docker container ls -a # List all containers, even those not running

docker container stop <hash> # Gracefully stop the specified container

docker container kill <hash> # Force shutdown of the specified container

docker container rm <hash> # Remove specified container from this machine

docker container rm $(docker container ls -a -q) # Remove all containers

docker image ls -a # List all images on this machine

docker image rm <image id> # Remove specified image from this machine

docker image rm $(docker image ls -a -q) # Remove all images from this machine

docker login # Log in this CLI session using your Docker credentials

docker tag <image> username/repository:tag # Tag <image> for upload to registry

docker push username/repository:tag # Upload tagged image to registry

docker run username/repository:tag # Run image from a registry

docker stack ls # List stacks or apps

docker stack deploy -c <composefile> <appname> # Run the specified Compose file

docker service ls # List running services associated with an app

docker service ps <service> # List tasks associated with an app

docker inspect <task or container> # Inspect task or container

docker container ls -q # List container IDs

docker stack rm <appname> # Tear down an application

docker swarm leave --force # Take down a single node swarm from the manager