

# Docker Cheat Sheet



## Build

Build an image from the Dockerfile in the current directory and tag the image

```
docker build -t myimage:1.0 .
```

List all images that are locally stored with the Docker Engine

```
docker image ls
```

Delete an image from the local image store

```
docker image rm alpine:3.4
```

## Share

Pull an image from a registry

```
docker pull myimage:1.0
```

Retag a local image with a new image name and tag

```
docker tag myimage:1.0 myrepo/myimage:2.0
```

Push an image to a registry

```
docker push myrepo/myimage:2.0
```

## Run

Run a container from the Alpine version 3.9 image, name the running container "web" and expose port 5000 externally, mapped to port 80 inside the container.

```
docker container run --name web -p 5000:80 alpine:3.9
```

Stop a running container through SIGTERM

```
docker container stop web
```

Stop a running container through SIGKILL

```
docker container kill web
```

List the networks

```
docker network ls
```

List the running containers (add `--all` to include stopped containers)

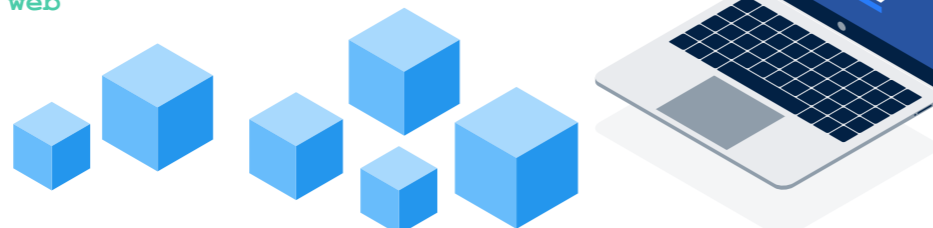
```
docker container ls
```

Delete all running and stopped containers

```
docker container rm -f $(docker ps -aq)
```

Print the last 100 lines of a container's logs

```
docker container logs --tail 100 web
```



## Docker Management

All commands below are called as options to the base `docker` command. Run `docker <command> --help` for more information on a particular command.

<code>app*</code>	<i>Docker Application</i>
<code>assemble*</code>	<i>Framework-aware builds (Docker Enterprise)</i>
<code>builder</code>	<i>Manage builds</i>
<code>cluster</code>	<i>Manage Docker clusters (Docker Enterprise)</i>
<code>config</code>	<i>Manage Docker configs</i>
<code>context</code>	<i>Manage contexts</i>
<code>engine</code>	<i>Manage the docker Engine</i>
<code>image</code>	<i>Manage images</i>
<code>network</code>	<i>Manage networks</i>
<code>node</code>	<i>Manage Swarm nodes</i>
<code>plugin</code>	<i>Manage plugins</i>
<code>registry*</code>	<i>Manage Docker registries</i>
<code>secret</code>	<i>Manage Docker secrets</i>
<code>service</code>	<i>Manage services</i>
<code>stack</code>	<i>Manage Docker stacks</i>
<code>swarm</code>	<i>Manage swarm</i>
<code>system</code>	<i>Manage Docker</i>
<code>template*</code>	<i>Quickly scaffold services (Docker Enterprise)</i>
<code>trust</code>	<i>Manage trust on Docker images</i>
<code>volume</code>	<i>Manage volumes</i>

\*Experimental in Docker Enterprise 3.0.