**Docker Cheat Sheet**

## Build

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

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

List all images that are locally stored with the Docker Engine:

```bash
docker image ls
```

Delete an image from the local image store:

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

## Share

Pull an image from a registry:

```bash
docker pull myimage:1.0
```

Retag a local image with a new image name and tag:

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

Push an image to a registry:

```bash
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:

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

Stop a running container through SIGTERM:

```bash
docker container stop web
```

Stop a running container through SIGKILL:

```bash
docker container kill web
```

List the networks:

```bash
docker network ls
```

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

```bash
docker container ls
```

Delete all running and stopped containers:

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

Print the last 100 lines of a container’s logs:

```bash
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.

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

*Experimental in Docker Enterprise 3.0.*

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www.docker.com