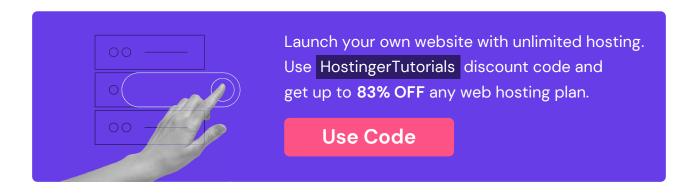
Pocker Cheat Sheet



Docker Cheat Sheet

Build Commands

docker build

Builds an image from a Dockerfile located in the current directory

docker build https://github.com/docker/rootfs.git#container:docker

Builds an image from a remote GIT repository

docker build -t imagename/tag

Builds, and tags an image for easier tracking

docker build https://yourserver/file.tar.

Builds an image from a remote tar archive

docker build -t image:1.0 -<<EOF FROM busybox RUN echo "hello world" EOF

Builds an image via a Dockerfile that is passed through STDIN

Clean Up Commands

docker image prune

Clears an unused image

docker image prune -a

Clears all images that are not being used by containers

docker system prune

Removes all stopped containers, all networks not used by containers, all dangling images, and all build cache

docker image rm image

Removes an image

docker rm container

Removes a running container

docker kill \$ (docker ps -q)

Stops all running containers



Docker Cheat Sheet 2

docker kill \$ (docker ps -q)

Stops all running containers

docker stack rm stackname

Removes a swarm

docker volume rm \$(docker volume Is -f dangling=true -q)

Removes all dangling volumes

docker rm \$(docker ps -a -q)

Removes all stopped containers

docker kill \$ (docker ps -q)

Stops all running containers

Container Interaction Commands

docker start container

Starts a new container

docker stop container

Stops a container

docker pause container

Pauses a container

docker unpause container

Unpauses a container

docker restart container

Restarts a container

docker wait container

Blocks a container

docker export container

Exports container contents to a tar archive

docker attach container

Attaches to a running container

docker wait container

Waits until the container is terminated and shows the exit code

docker commit -m "commit message" -a "author" container username/ image_name: tag

Saves a running container as an image

docker logs -ft container

Follows container logs

docker exec -ti container script.sh

Runs a command in a container

docker commit container image

Creates a new image from a container

docker create image

Creates a new container from an image

Docker Cheat Sheet

Container Inspection Commands

docker ps

Lists all running containers

docker -ps -a

Lists all containers

docker diff container

Inspects changes to directories and files in the container filesystem

docker top container

Shows all running processes in an existing container

docker inspect container

Displays low-level information about a container

docker logs container

Gathers the logs for a container

docker stats container

Shows container resource usage statistics

Manage Images Commands

docker image Is

Lists images

docker image rm mysql

Removes an image

docker tag image tag

Tags an image

docker history image

Displays the image history

docker inspect image

Displays low-level information about an image

Pocker Cheat Sheet 4

Run Commands

Docker uses the run command to create containers from provided images. The default syntax for this command:

docker run [options] image [command] [arg...]

Then you can use one of the following flags:

--detach,-d

Runs a container in the background and prints the container ID

Sets environment variables

```
--hostname, -h
```

Sets a hostname to a container

Creates a meta data label for a container

--name

Assigns a name to a container

--network

Connects a container to a network

--rm

Removes container when it stops

--read-only

Sets the container filesystem as read-only

Sets a working directory in a container

Registry Commands

docker login

Log ins to a registry

docker logout

Logs out from a registry

docker pull mysql

Pulls an image from a registry

docker push repo/rhel-httpd:latest

Pushes an image to a registry

docker search term

Searches Docker Hub for images with the specified term

Docker Cheat Sheet

Service Commands

docker service Is

Lists all services running in a swarm

docker stack services stackname

Lists all running services

docker service ps servicename

Lists the tasks of a service

docker service update servicename

Updates a service

docker service create image

Creates a new service

docker service scale servicename=10

Scales one or more replicated services

docker service logs stackname servicename

Lists all service logs

Network Commands

docker network create networkname

Creates a new network

docker network rm networkname

Removes a specified network

docker network Is

Lists all networks

docker network connect networkname container

Connects a container to a network

docker network disconnect networkname container

Disconnects a container from a network

docker network inspect networkname

Displays a detailed information about a network