

# Top 100 Important Docker Commands

## **docker --version**

Display the current version of Docker.

## **docker pull <image>**

Pull an image from Docker Hub.

## **docker build -t <image\_name>:<tag> <path>**

Build an image from a Dockerfile.

## **docker run <options> <image>**

Run a command in a new container.

## **docker ps**

List running containers.

## **docker ps -a**

List all containers, including stopped ones.

## **docker stop <container\_id>**

Stop a running container.

## **docker start <container\_id>**

Start a stopped container.

## **docker restart <container\_id>**

Restart a running or stopped container.

## **docker rm <container\_id>**

Remove one or more containers.

### **docker rmi <image\_id>**

Remove one or more images.

### **docker exec -it <container\_id> <command>**

Execute a command in a running container.

### **docker logs <container\_id>**

Fetch logs from a container.

### **docker inspect <container\_id>**

Return detailed information about a container.

### **docker images**

List all images on the local machine.

### **docker network ls**

List all networks.

### **docker volume ls**

List all volumes.

### **docker-compose up**

Start and run the entire app defined in docker-compose.yml.

### **docker-compose down**

Stop and remove containers, networks, images created by up.

### **docker cp <container\_id>:<path> <local\_path>**

Copy files/folders between a container and the local filesystem.

### **docker commit <container\_id> <new\_image\_name>**

Create a new image from a container's changes.

## **docker tag <source\_image> <target\_image>**

Tag an image with a new name.

## **docker pull <repository>:<tag>**

Pull a specific tagged image from a repository.

## **docker search <term>**

Search for images on Docker Hub.

## **docker update <options> <container\_id>**

Update configuration of one or more containers.

## **docker stats**

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

## **docker prune**

Remove unused data.

## **docker system df**

Show docker disk usage.

## **docker info**

Display system-wide information about Docker.

## **docker version**

Show the Docker version information.

## **docker login**

Log in to a Docker registry.

## **docker logout**

Log out from a Docker registry.

**docker save -o <path> <image>**

Save an image to a tar archive.

**docker load -i <path>**

Load an image from a tar archive.

**docker network create <network\_name>**

Create a new network.

**docker network rm <network\_name>**

Remove a network.

**docker volume create <volume\_name>**

Create a new volume.

**docker volume rm <volume\_name>**

Remove a volume.

**docker history <image\_name>**

Show the history of an image.

**docker export <container\_id> > <file>.tar**

Export a container's filesystem as a tar archive.

**docker import <file>.tar <image\_name>**

Import the contents of a tarball to create a filesystem image.

**docker attach <container\_id>**

Attach to a running container.

**docker diff <container\_id>**

Inspect changes to files or directories on a container's filesystem.

**docker cp <local\_path> <container\_id>:<path>**

Copy files/folders from local filesystem to a container.

**docker-compose logs**

View output from containers.

**docker-compose exec <service> <command>**

Execute a command in a running service container.

**docker service ls**

List services in a swarm.

**docker swarm init**

Initialize a new swarm.

**docker swarm join**

Join a node to a swarm.

**docker swarm leave**

Leave a swarm.

**docker node ls**

List nodes in the swarm.

**docker stack deploy -c <file>.yml <stack\_name>**

Deploy a new stack.

**docker stack rm <stack\_name>**

Remove a stack.

**docker secret ls**

List secrets in a swarm.

**docker secret create <secret\_name> <file>**

Create a new secret.

**docker secret rm <secret\_name>**

Remove a secret.

**docker config ls**

List configs in a swarm.

**docker config create <config\_name> <file>**

Create a new config.

**docker config rm <config\_name>**

Remove a config.

**docker network connect <network\_name> <container\_id>**

Connect a container to a network.

**docker network disconnect <network\_name> <container\_id>**

Disconnect a container from a network.

**docker logs -f <container\_id>**

Follow logs from a container.

**docker inspect <volume\_name>**

Return detailed information about a volume.

**docker-compose build**

Build or rebuild services.

**docker-compose pull**

Pull service images.

### **docker-compose push**

Push service images.

### **docker-compose down --volumes**

Remove containers, networks, images, and volumes created by up.

### **docker swarm update**

Update the swarm.

### **docker service update <service\_name>**

Update a service.

### **docker node update <node\_name>**

Update a node.

### **docker plugin ls**

List installed plugins.

### **docker plugin install <plugin\_name>**

Install a plugin.

### **docker plugin rm <plugin\_name>**

Remove a plugin.

### **docker login <registry\_url>**

Log in to a specific Docker registry.

### **docker logout <registry\_url>**

Log out from a specific Docker registry.

### **docker network inspect <network\_name>**

Return detailed information about a network.

### **docker volume inspect <volume\_name>**

Return detailed information about a volume.

### **docker image prune**

Remove unused images.

### **docker container prune**

Remove stopped containers.

### **docker system prune**

Remove all unused data.

### **docker update --restart=<condition> <container\_id>**

Update restart policy for a container.

### **docker network ls -f <filter>**

List networks with a filter.

### **docker volume ls -f <filter>**

List volumes with a filter.