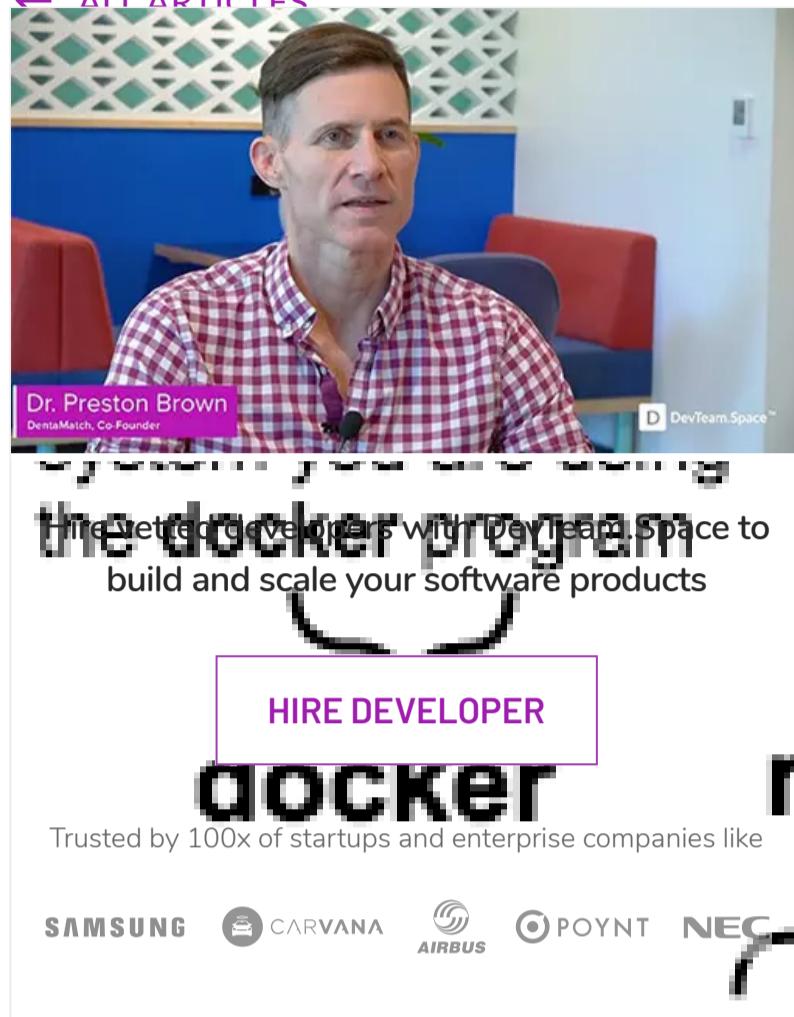


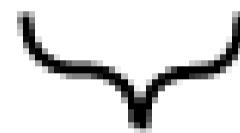
HIRE EXPERT DEVELOPERS

[← ALL ARTICLES](#)



## Docker Commands With Examples

Tells Docker which image to load into the container



hello-world

A subcommand that creates & runs a Docker container

Looking for a list of Docker commands with examples?

You've come to the right place.

Besides all the money you can make, innovating in this industry represents a chance to make a positive impact on people's quality of life. Here're a few amazing case studies of companies who [hired DevTeam.Space](#) to build their software products:

1. [DDKOIN](#) – Leading Cryptocurrency
2. [Cryptocurrency Exchange](#) – Crypto Exchange And Wallet
3. [Dencenture](#) – Blockchain Mobile App and Web Application

Docker is becoming a popular technology for distributing and deploying web apps. It makes the whole development operations process easier, faster, and cheaper – all while reducing the number of servers needed. Why wouldn't you want to use it?

I'm going to go through some of the most common Docker commands with examples and explain what they do, so you can start experimenting with them right away. We've already discussed Docker, [its benefits and commands](#) in a previous blog post.

### Key Terms

By continuing to use this website you agree to our [Cookie Policy](#).

[ACCEPT](#)

**Image** – A Docker Image is a file that is essentially a snapshot of a container. You can create a container by running a Docker Image.

## HIRE EXPERT DEVELOPERS

**Docker Hub** – A public registry for developers to distribute their code.



Play video →  
Add parameters to your commands to get different results. Each command has documentation for all the details.

Each command has parameters for your command. Depending on the command, it might be

multiple arguments for a command

## Docker Terminal Command Basics

Hire vetted developers with DevTeam.Space to

Every command has a basic structure. Here's an example command:



## Important Docker Commands List

Here are some commands to try out on the command line. Just make sure you have Docker running!

### docker run

**Description:** docker run is probably the most important command on this Docker list. It creates a new container, then starts it using a specified command. It is the equivalent of using **docker create** and then immediately using **docker start** (we'll go through those below).

**Usage:** `docker run [OPTIONS] IMAGE [COMMAND] [ARG...]`

**Example:** `docker run hello-world`

This example will download, create and run the ‘hello-world’ container from docker hub. Try it out!

### docker create

**Description:** This command creates a new container and prepares it to run the specified command, but doesn't run it. The ID is printed to STDOUT. This command is similar to **docker run**, but the container is never started. It can be started at any time with `docker start <container_id>`.

This can be useful if you want to create and prepare a container for running at a later time.

Hire expert developers for your next project

Trusted by

[GET STARTED NOW](#)

By continuing to use this website you agree to our [Cookie Policy](#).

[ACCEPT](#)

## docker start

### HIRE EXPERT DEVELOPERS

**Description:** Starts container either created with `docker create` or one that was stopped. [More info](#)



**Usage:** `docker stop [OPTIONS] CONTAINER [...]`  
Hire vetted developers with DevTeam.Space to

**Example:** `docker start hello-world`

This example has already been started in the example above. You can use `docker start` to start it back up again.

**HIRE DEVELOPER**

**docker ps**

**Description:** Use this command to list the docker containers available. By default, only running ones are listed, but you can add options such as `-a` to get all docker container list. [More info](#)

**Usage:** `docker ps [OPTIONS]`

**Example:** `docker ps -a`

The above command will display all containers on your system. The output will look something like this:

\$ docker ps				
CONTAINER ID	IMAGE	COMMAND	CREATED	
STATUS	PORTS	NAMES		
4c01db0b339c	ubuntu:12.04	bash	17 seconds	
ago	Up 16 seconds	3300-3310/tcp		webapp
d7886598dbe2	crosbymichael/redis:latest	/redis-server --dir	33 minutes	
ago	Up 33 minutes	6379/tcp		redis,webapp/db

## docker rm

**Description:** Removes a container. Once you use `docker ps` to list available containers, you can use this command to remove one or more of them.

**Usage:** `docker rm [OPTIONS] CONTAINER [CONTAINER...]`

**Example:** `docker rm -f redis`

This example will remove the container called 'redis'. The `-f` tag forces the action, meaning the container will receive a `SIGKILL` command first.

## docker rmi

**Description:** rmi stands for *remove image*. Similar to `docker rm` but removes the docker image rather than a running instance of an image (called a container).

**Usage:** `docker rmi [OPTIONS] IMAGE [IMAGE...]`

By continuing to use this website you agree to our [Cookie Policy](#).

**ACCEPT**

```
$ docker images
```

HIRE EXPERT DEVELOPERS	IMAGE ID	CREATED
SIZE		
	b4f19954f	23 seconds ago
	b30cecd17b96ea9e286ba5b8	

Docker login

Description: Let's you log in to a Docker registry. You can use this command to log into any public or private registry. You'll probably use this to log into Docker Hub.

Hire expert developers with DevTeam.Space to build and scale your software products

**HIRE DEVELOPER**  
100+

Expert dev teams, Businesses trusted  
Trusted by 100+ startups and enterprise companies like

SAMSUNG CARVANA AIRBUS POYNT NEC

GET STARTED NOW

Usage: `docker login [OPTIONS] [SERVER]`

Example: `docker login localhost:8080`

Here we are logging into a self-hosted registry by specifying the server name. Otherwise, just use `docker login` to login to your Docker Hub registry.

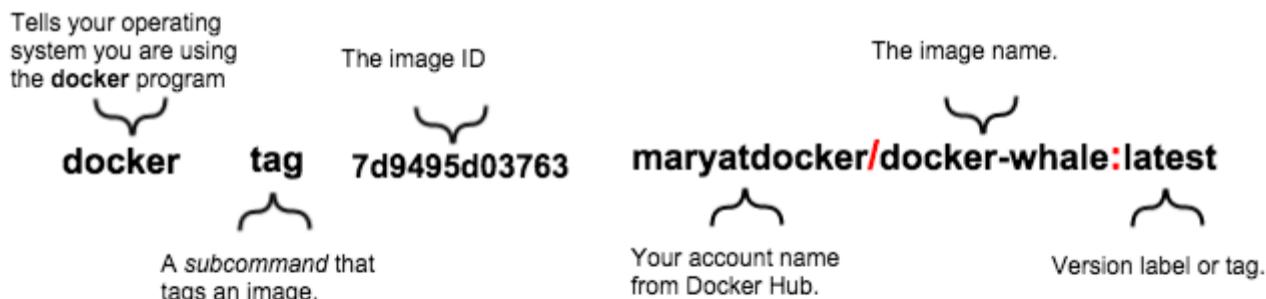
## docker tag

Description: Use this command to create a tag TARGET\_IMAGE that refers to SOURCE\_IMAGE.

Usage: `docker tag SOURCE_IMAGE[:TAG] TARGET_IMAGE[:TAG]`

Example: `docker tag 7d9495d03763 maryatdocker/docker-whale:latest`

Here we are tagging a local image with ID "7d9495d03763" into the "maryatdocker/docker-whale" repository with the tag "latest"



## docker push

Description: `docker push` is the command you'll use to share your images to Docker Hub or another registry. It's a key part of the deployment process, and you'll need to use it with `docker tag` and `docker login` to work properly.

By continuing to use this website you agree to our [Cookie Policy](#).

ACCEPT

[full page here.](#)

Combine it with the tag command like this:

HIRE EXPERT DEVELOPERS



a command in a container that already running. `docker run` lets us run a command which starting a container, `docker exec` can be used to feed subsequent commands to a container.

**Hire vetted developers with DevTeam Space to build and scale your software products**

Example:

First start a container with **HIRE DEVELOPER**

`--name ubuntu_bash --rm -i -t ubuntu bash`

Now we can execute a command on that container to create a new file with `docker exec -d ubuntu_bash touch /tmp/execWorks`

Trusted by 100x of startups and enterprise companies like

SAMSUNG CARVANA

AIRBUS

POYNT

NEC

`docker logs`

Description: Getting deeper into using docker, the `docker logs` command lets you see the log file for a running container. However, it can only be used with containers that were started with the `json-file` or `journald` logging driver

Usage: `docker logs [OPTIONS] CONTAINER`

Example: `docker logs -f MyCntr`

`docker kill`

Description: Sometimes you just need to kill one or all running containers. Similar to `SIGKILL` (this is actually the message it will receive), `docker kill` will stop a container running.

Usage: `docker kill [OPTIONS] CONTAINER [CONTAINER...]`

Example: `docker kill MyCntr`

`docker swarm`

Description: Use `docker swarm` to manage a swarm. You can initialize a swarm, add manager and worker nodes, and update a swarm. This command is actually a whole bunch of commands in one – take a look at all of the [child commands here](#).

Example: `docker swarm init --advertise-addr <MANAGER-IP>`

This will initialize a swarm and give us back the address to add workers to the swarm later. For a better understanding of how to use docker swarms, take a look at the [create a swarm tutorial](#) on the docs.

## Start Experimenting!

This docker reference should be enough to get you started using docker on the command line. Signup for a Docker hub account if you don't have one and have a go at deploying your own app. Once you get used to the process, you'll never go back to your old deployment habits

By continuing to use this website you agree to our [Cookie Policy](#).

[ACCEPT](#)

## FREQUENTLY ASKED QUESTIONS

### What is Docker?

Docker is a platform that allows OS-level virtualization.



Build from an image so that it can be run.

Run in 'detached mode'. Attached mode runs the program in the foreground

[GET STARTED NOW](#)

Trusted by

Hire vetted developers with DevTeam.Space to  
build and scale your software products

Search

[HIRE DEVELOPER](#)



### TRENDING ARTICLES

Trusted by 100x of startups and enterprise companies like  
[How To Use Blockchain To Secure Your Code?](#)

[How To Build Your Own Blockchain Using Node.js](#)

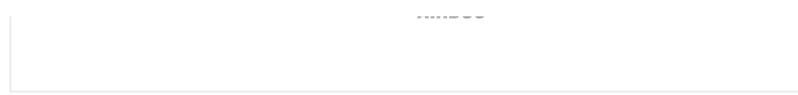
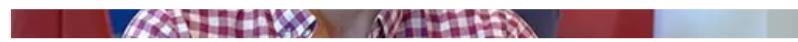
[How to Convert an Android App to iOS?](#)

[How to Deploy a Web app Using Docker Web Server](#)

### SOME OF OUR PROJECTS

By continuing to use this website you agree to our [Cookie Policy](#).

[ACCEPT](#)



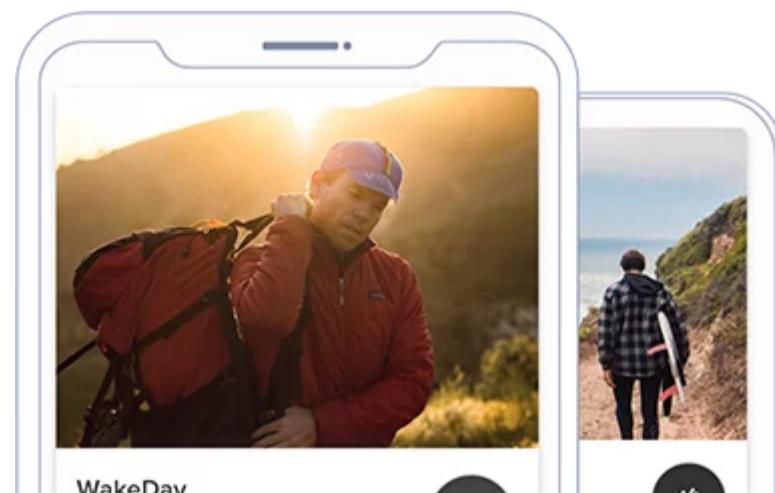
## DevTeam.Space - enabling more businesses build great online products

Submit your request now to see our developers' profiles

HIRE TOP DEVELOPERS

Adventure Aide

 WATCH STORY



By continuing to use this website you agree to our [Cookie Policy](#).

ACCEPT



## HIRE DEVELOPERS

- [Hire Data Engineers](#)
- [Hire Mobile App Developers](#)
- [Hire Web Developers](#)
- [Hire WordPress Developers](#)
- [Hire PHP Developers](#)
- [Hire Java Developers](#)
- [Hire AngularJS Developers](#)
- [Hire Android Developers](#)
- [Hire iOS Developers](#)
- [Hire Blockchain Developers](#)
- [Hire Ruby On Rails Developers](#)
- [See All](#)

## COMPANY

- [About Us](#)
- [Our Top Vetted Developers](#)
- [How It Works?](#)
- [STEM Scholarship](#)
- [Terms of Use](#)
- [Privacy Policy](#)

## INFORMATIVE

- [Blog](#)
- [FAQ](#)
- [Hiring Interview Tips](#)

## CONTACT US

+1 415 570 7043  
[mail@devteam.space](mailto:mail@devteam.space)



## SUBSCRIBE NOW

10,000+ members

Receive the latest tech announcements and tutorials

Email

## INDEPENDENT REVIEWS



© 2020 DevTeam.Space. With love from California. All rights reserved.

By continuing to use this website you agree to our [Cookie Policy](#).

ACCEPT