

Let's explore some of the most commonly used Docker commands that can help you manage Docker containers effectively.

1. **docker run** – This command is used to start a new Docker container from an image.
2. **docker ps** – This command is used to list all the running Docker containers.
3. **docker stop** – This command is used to stop a running container.
4. **docker rm** – This command is used to remove a Docker container.
5. **docker images** – This command is used to list all the Docker images that are currently available on your system.
6. **docker pull** – This command is used to download a Docker image from a registry.
7. **docker exec** – This command is used to execute a command in a running container.
8. **docker-compose** – This command is used to manage multi-container Docker applications.

Top Docker Commands

Top docker commands to help you navigate through the docker engine seamlessly and get most of your work done.

1. docker --version

Usage: docker -- -- version

This command is used to get the currently installed version of docker

2. docker pull

Usage: docker pull <image name>

This command is used to pull images from the **docker repository** (hub.docker.com)

3. docker run

Usage: docker run -it -d <image name>

This command is used to create a container from an image

4. docker ps

Usage: docker ps

This command is used to list the running containers

5. docker ps -a

Usage: docker ps -a

This command is used to show all the running and exited containers

6. docker exec

Usage: docker exec -it <container id> bash

This command is used to access the running container

7. docker stop

Usage: docker stop <container id>

This command stops a running container

8. docker kill

Usage: docker kill <container id>

This command kills the container by stopping its execution immediately. The difference between 'docker kill' and 'docker stop' is that 'docker stop' gives the container time to shutdown gracefully, in situations when it is taking too much time for getting the container to stop, one can opt to kill it.

9. docker commit

Usage: docker commit <container id> <username/imagename>

This command creates a new image of an edited container on the local system

10. docker login

Usage: docker login

This command is used to login to the docker hub repository

11. docker push

Usage: docker push <username/image name>

This command is used to push an image to the docker hub repository

12. docker images

Usage: docker images

This command lists all the locally stored docker images.

13. docker rm

Usage: docker rm <container id>

This command is used to delete a stopped container.

14. docker rmi

Usage: docker rmi <image-id>

This command is used to delete an image from local storage.

15. docker build

Usage: docker build <path to docker file>

This command is used to build an image from a specified docker file.