



Docker Command Cheat Sheet



Docker Lifecycle Commands

Command	Use
1. <code>docker create</code>	Create a new container
2. <code>docker run</code>	Creates a docker container from docker image
3. <code>docker pause</code>	To pause a running container
4. <code>docker unpause</code>	To unpause a running container
5. <code>docker stop</code>	To stop a docker container
6. <code>docker start</code>	To start a docker container
7. <code>docker restart</code>	To restart docker container
8. <code>docker attach</code>	Attach Terminal to Running container
9. <code>docker wait</code>	Block until one or more containers stop, then print their exit codes
10. <code>docker rm</code>	To remove the Docker Container, stop it first and then remove it
11. <code>docker kill</code>	To stop and remove Docker containers

Docker Image Commands

Command	Use
1. <code>docker build</code>	To build Docker Image from Dockerfile
2. <code>docker pull</code>	To pull Docker Image from Docker Hub Registry
3. <code>docker tag</code>	To add Tag to Docker Image
4. <code>docker images</code>	To list Docker Images
5. <code>docker push</code>	To push Docker Images to
6. <code>docker history</code>	To show history of Docker Image
7. <code>docker inspect</code>	To show complete information in JSON format
8. <code>docker save</code>	To save an existing Docker Image
9. <code>docker import</code>	Create Docker Image from Tarball
10. <code>docker export</code>	To export existing Docker
11. <code>docker load</code>	To load Docker Image from file or archives
12. <code>docker rmi</code>	To remove docker images

Docker Compose Commands

Command	Use
1. <code>docker-compose build</code>	To build docker compose file
2. <code>docker-compose up</code>	To run docker compose file
3. <code>docker-compose ls</code>	To list docker images declared inside docker compose file
4. <code>docker-compose start</code>	To start containers which are already created using docker compose file
5. <code>docker-compose run</code>	To run one one of application inside docker-compose.yml
6. <code>docker-compose rm</code>	To remove docker containers from docker compose
7. <code>docker-compose ps</code>	To check docker container status from docker compose

Docker Networking Commands

Command	Use
1. <code>docker network create</code>	To create docker network
2. <code>docker network ls</code>	To list docker networks
3. <code>docker network inspect</code>	To view network configuration details

Docker Prune Commands

Command	Use
1. <code>docker system prune</code>	To clean all resources which are dangling or not associated with any docker containers
2. <code>docker image prune</code>	To remove Dangling Docker images
3. <code>docker container prune</code>	To remove all unused docker containers
4. <code>docker volume prune</code>	To remove all unused docker volumes
5. <code>docker network prune</code>	To remove all unused docker network

Docker Basic Commands

Command	Use
1. <code>docker</code>	To check all available Docker Commands
2. <code>docker version</code>	To show Docker version
3. <code>docker info</code>	Displays system wide information
4. <code>docker pull</code>	To pull the docker Images from Docker Hub Repository
5. <code>docker build</code>	To Docker Image from Dockerfile
6. <code>docker run</code>	Run a container from a docker
7. <code>docker commit</code>	To commit a changes in container file OR create new Docker Image
8. <code>docker ps</code>	List all the running containers. Add the -a flag to list all the containers.
9. <code>docker start</code>	To start a docker container
10. <code>docker stop</code>	To stop a docker container
11. <code>docker logs</code>	To view Logs for a Docker Container
12. <code>docker rename</code>	To rename Docker Container
13. <code>docker rm</code>	To remove the Docker Container, stop it first

Docker Container Commands

Command	Use
1. <code>docker start</code>	To start a Docker container
2. <code>docker stop</code>	To stop a running docker container
3. <code>docker restart</code>	To restart docker container
4. <code>docker pause</code>	To pause a running container
5. <code>docker unpause</code>	To unpause a running container
6. <code>docker run</code>	Creates a docker container from docker image
7. <code>docker ps</code>	To list Docker containers
8. <code>docker exec</code>	To Access the shell of Docker Container
9. <code>docker logs</code>	To view Logs for a Docker Container
10. <code>docker rename</code>	To rename Docker Container
11. <code>docker rm</code>	To remove Docker container
12. <code>docker inspect</code>	Docker container info command
13. <code>docker attach</code>	Attach Terminal to Running container
14. <code>docker kill</code>	To stop and remove Docker containers
15. <code>docker cp</code>	To copy files or folders between a container and from local filesystem.

Docker Volume Commands

Command	Use
1. <code>docker volume create</code>	To create docker volume
2. <code>docker volume inspect</code>	To inspect docker volume
3. <code>docker volume rm</code>	To remove docker volume

Docker Logs and Monitoring Commands

Command	Use
1. <code>docker ps -a</code>	To show running and stopped containers
2. <code>docker logs</code>	To show Docker container logs
3. <code>docker events</code>	To get all events of docker container
4. <code>docker top</code>	To show running process in docker container
5. <code>docker stats</code>	To check cpu, memory and network I/O usage
6. <code>docker port</code>	To show docker containers public ports

Docker Hub Commands

Command	Use
1. <code>docker search</code>	To search docker image
2. <code>docker pull</code>	To pull image from docker hub
3. <code>docker login</code>	To Log in to a Docker registry
4. <code>docker push</code>	Push an image or a repository to a registry
5. <code>docker tag</code>	Create a tag TARGET_IMAGE that refers to SOURCE_IMAGE
6. <code>docker logout</code>	To logout from Docker Hub Registry