Docker Commands List

Description

**The base command for the Docker CLI**

**Child commands**

**Command Description**

**docker attach Attach local standard input, output, and error streams to a running container**

**docker build Build an image from a Dockerfile**

**docker builder Manage builds**

**docker checkpoint Manage checkpoints**

**docker commit Create a new image from a container’s changes**

**docker compose You can use compose subcommand, docker compose [-f <arg>...] [options] [COMMAND] [ARGS...], to build and manage multiple services in Docker containers.**

**Child commands**

**Command Description**

docker compose build Build or rebuild services

docker compose convert Converts the compose file to platform’s canonical format

docker compose cp Copy files/folders between a service container and the local filesystem

docker compose create Creates containers for a service.

docker compose down Stop and remove containers, networks

docker compose events Receive real time events from containers.

docker compose exec Execute a command in a running container.

docker compose images List images used by the created containers

docker compose kill Force stop service containers.

docker compose logs View output from containers

docker compose ls List running compose projects

docker compose pause pause services

docker compose port Print the public port for a port binding.

docker compose ps List containers

docker compose pull Pull service images

docker compose push Push service images

docker compose restart Restart containers

docker compose rm Removes stopped service containers

docker compose run Run a one-off command on a service.

docker compose start Start services

docker compose stop Stop services

docker compose top Display the running processes

docker compose unpause unpause services

docker compose up Create and start containers

**docker config Manage Docker configs**

**docker container Manage containers**

**Child commands**

**Command Description**

docker container attach Attach local standard input, output, and error streams to a running container

docker container commit Create a new image from a container’s changes

docker container cp Copy files/folders between a container and the local filesystem

docker container create Create a new container

docker container diff Inspect changes to files or directories on a container’s filesystem

docker container exec Run a command in a running container

docker container export Export a container’s filesystem as a tar archive

docker container inspect Display detailed information on one or more containers

docker container kill Kill one or more running containers

docker container logs Fetch the logs of a container

docker container ls List containers

docker container pause Pause all processes within one or more containers

docker container port List port mappings or a specific mapping for the container

docker container prune Remove all stopped containers

docker container rename Rename a container

docker container restart Restart one or more containers

docker container rm Remove one or more containers

docker container run Run a command in a new container

docker container start Start one or more stopped containers

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

docker container stop Stop one or more running containers

docker container top Display the running processes of a container

docker container unpause Unpause all processes within one or more containers

docker container update Update configuration of one or more containers

docker container wait Block until one or more containers stop, then print their exit codes

**docker context Manage contexts**

**docker cp Copy files/folders between a container and the local filesystem**

**docker create Create a new container**

**docker diff Inspect changes to files or directories on a container’s filesystem**

**docker events Get real time events from the server**

**docker exec Run a command in a running container**

**docker export Export a container’s filesystem as a tar archive**

**docker history Show the history of an image**

**docker image Manage images**

**Child commands**

**Command Description**

**docker image build Build an image from a Dockerfile**

docker image history Show the history of an image

docker image import Import the contents from a tarball to create a filesystem image

docker image inspect Display detailed information on one or more images

docker image load Load an image from a tar archive or STDIN

docker image ls List images

docker image prune Remove unused images

docker image pull Pull an image or a repository from a registry

docker image push Push an image or a repository to a registry

docker image rm Remove one or more images

docker image save Save one or more images to a tar archive (streamed to STDOUT by default)

docker image tag Create a tag TARGET\_IMAGE that refers to SOURCE\_IMAGE

**docker images List images**

**docker import Import the contents from a tarball to create a filesystem image**

**docker info Display system-wide information**

**docker inspect Return low-level information on Docker objects**

**docker kill Kill one or more running containers**

**docker load Load an image from a tar archive or STDIN**

**docker login Log in to a Docker registry**

**docker logout Log out from a Docker registry**

**docker logs Fetch the logs of a container**

**docker manifest Manage Docker image manifests and manifest lists**

**docker network Manage networks. You can use subcommands to create, inspect, list, remove, prune, connect, and disconnect networks.**

Child commands

Command Description

docker network connect Connect a container to a network

docker network create Create a network

docker network disconnect Disconnect a container from a network

docker network inspect Display detailed information on one or more networks

docker network ls List networks

docker network prune Remove all unused networks

docker network rm Remove one or more networks

**docker node Manage Swarm nodes**

**Child commands**

**Command Description**

docker node demote Demote one or more nodes from manager in the swarm

docker node inspect Display detailed information on one or more nodes

docker node ls List nodes in the swarm

docker node promote Promote one or more nodes to manager in the swarm

docker node ps List tasks running on one or more nodes, defaults to current node

docker node rm Remove one or more nodes from the swarm

docker node update Update a node

**docker pause Pause all processes within one or more containers**

**docker plugin Manage plugins**

**docker port List port mappings or a specific mapping for the container**

**docker ps List containers**

**docker pull Pull an image or a repository from a registry**

**docker push Push an image or a repository to a registry**

**docker rename Rename a container**

**docker restart Restart one or more containers**

**docker rm Remove one or more containers**

**docker rmi Remove one or more images**

**docker run Run a command in a new container**

**docker save Save one or more images to a tar archive (streamed to STDOUT by default)**

**docker search Search the Docker Hub for images**

**docker secret Manage Docker secrets**

**docker service Manage services**

**docker stack Manage Docker stacks**

**docker start Start one or more stopped containers**

**docker stats Display a live stream of container(s) resource usage statistics**

**docker stop Stop one or more running containers**

**docker swarm Manage Swarm**

**Child commands**

**Command Description**

docker swarm ca Display and rotate the root CA

docker swarm init Initialize a swarm

docker swarm join Join a swarm as a node and/or manager

docker swarm join-token Manage join tokens

docker swarm leave Leave the swarm

docker swarm unlock Unlock swarm

docker swarm unlock-key Manage the unlock key

docker swarm update Update the swarm

**docker system Manage Docker**

**docker tag Create a tag TARGET\_IMAGE that refers to SOURCE\_IMAGE**

**docker top Display the running processes of a container**

**docker trust Manage trust on Docker images**

**docker unpause Unpause all processes within one or more containers**

**docker update Update configuration of one or more containers**

**docker version Show the Docker version information**

**docker volume Manage volumes**

**Related commands**

**Command Description**

docker volume create Create a volume

docker volume inspect Display detailed information on one or more volumes

docker volume ls List volumes

docker volume prune Remove all unused local volumes

docker volume rm Remove one or more volumes

**docker wait Block until one or more containers stop, then print their exit codes**

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**Docker Compose Commands List**

**docker-compose** Compose is a tool for defining and running multi-container Docker applications. With Compose, you use a YAML file to configure your application's services. Then, with a single command, you create and start all the services from your configuration.

**Child Commands:**

**build Build or rebuild services**

**bundle Generate a Docker bundle from the Compose file**

**config Validate and view the Compose file**

**create Create services**

**down Stop and remove containers, networks, images, and volumes**

**events Receive real time events from containers**

**exec Execute a command in a running container**

**help Get help on a command**

**images List images**

**kill Kill containers**

**logs View output from containers**

**pause Pause services**

**port Print the public port for a port binding**

**ps List containers**

**pull Pull service images**

**push Push service images**

**restart Restart services**

**rm Remove stopped containers**

**run Run a one-off command**

**scale Set number of containers for a service**

**start Start services**

**stop Stop services**

**top Display the running processes**

**unpause Unpause services**

**up Create and start containers**

**version Show the Docker-Compose version information**

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