

Run a new container

Start a new Container from an Image
 docker run IMAGE
...and assign it a name
 docker run --name CONTAINER IMAGE
...and map a port
 docker run -p HOSTPORT:CONTAINERPORT IMAGE
...and map all ports
 docker run -P IMAGE
...and start container in background
 docker run -d IMAGE
...and assign it a hostname
 docker run --hostname HOSTNAME IMAGE
...and add a dns entry
 docker run --add-host HOSTNAME:IP IMAGE
...and map a local directory into the container
 docker run -v HOSTDIR:TARGETDIR IMAGE
...but change the entrypoint
 docker run -it --entrypoint EXECUTABLE IMAGE

Manage containers (cont)

docker rm CONTAINER
Delete a running container
 docker rm -f CONTAINER
Delete stopped containers
 docker container prune
Stop a running container
 docker stop CONTAINER
Start a stopped container
 docker start CONTAINER
Copy from a container to the host
 docker cp CONTAINER:SOURCE TARGET
Copy from the host to a container
 docker cp TARGET CONTAINER:SOURCE
Start a shell inside a running container
 docker exec -it CONTAINER EXECUTABLE
Rename a container
 docker rename OLD_NAME NEW_NAME
Create an image out of container
 docker commit CONTAINER

Manage Images

Download an image
 docker pull IMAGE[:TAG]
Upload an image to a repository
 docker push IMAGE
Delete an image
 docker rmi IMAGE
Show a list of all Images
 docker images
Delete dangling images
 docker image prune
Delete all unused images
 docker image prune -a
Build an image from a Dockerfile
 docker build DIRECTORY
Tag an image
 docker tag IMAGE NEWIMAGE
Build and tag an image from a Dockerfile
 docker build -t IMAGE DIRECTORY
Save an image to .tar file
 docker save IMAGE > FILE
Load an image from a .tar file
 docker load -i TARFILE

Info & Stats

Show the logs of a container
 docker logs CONTAINER
Show stats of running containers
 docker stats
Show processes of container
 docker top CONTAINER
Show installed docker version
 docker version
Get detailed info about an object
 docker inspect NAME
Show all modified files in container
 docker diff CONTAINER
Show mapped ports of a container
 docker port CONTAINER

Manage containers

Show running containers
 docker ps
Show all containers
 docker ps -a
Delete a container



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