**List of Docker Commands**

**Docker Container Commands**

Create a container (without starting it):

docker create [IMAGE]

Rename an existing container:

docker rename [CONTAINER\_NAME] [NEW\_CONTAINER\_NAME]

Run a command in a new container:

docker run [IMAGE] [COMMAND]

docker run --rm [IMAGE] – removes a container after it exits.

docker run -td [IMAGE] – starts a container and keeps it running.

docker run -it [IMAGE] – starts a container, allocates a pseudo-TTY connected to the container’s stdin, and creates an interactive bash shell in the container.

docker run -it-rm [IMAGE] – creates, starts, and runs a command inside the container. Once it executes the command, the container is removed.

Delete a container (if it is not running):

docker rm [CONTAINER]

Update the configuration of one or more containers:

docker update [CONTAINER]

**Starting and Stopping Containers**

Start a container:

docker start [CONTAINER]

Stop a running container:

docker stop [CONTAINER]

Stop a running container and start it up again:

docker restart [CONTAINER]

Pause processes in a running container:

docker pause [CONTAINER]

Unpause processes in a running container:

docker unpause [CONTAINER]

Block a container until others stop (after which it prints their exit codes):

docker wait [CONTAINER]

Kill a container by sending a SIGKILL to a running container:

docker kill [CONTAINER]

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

docker attach [CONTAINER]

### Docker Image Commands

Create an image from a Dockerfile:

docker build [URL]

docker build -t – builds an image from a Dockerfile in the current directory and tags the image

Pull an image from a registry:

docker pull [IMAGE]

Push an image to a registry:

docker push [IMAGE]

Create an image from a tarball:

docker import [URL/FILE]

Create an image from a container:

docker commit [CONTAINER] [NEW\_IMAGE\_NAME]

Remove an image:

docker rmi [IMAGE]

Load an image from a tar archive or stdin:

docker load [TAR\_FILE/STDIN\_FILE]

Save an image to a tar archive, streamed to STDOUT with all parent layers, tags, and versions:

docker save [IMAGE] > [TAR\_FILE]

### Docker Commands for Container and Image Information

List running containers:

docker ps

docker ps -a – lists both running containers and ones that have stopped

List the logs from a running container:

docker logs [CONTAINER]

List low-level information on Docker objects:

docker inspect [OBJECT\_NAME/ID]

List real-time events from a container:

docker events [CONTAINER]

Show port (or specific) mapping for a container:

docker port [CONTAINER]

Show running processes in a container:

docker top [CONTAINER]

Show live resource usage statistics of containers:

docker stats [CONTAINER]

Show changes to files (or directories) on a filesystem:

docker diff [CONTAINER]

List all images that are locally stored with the docker engine:

docke image ls

Show the history of an image:

docker history [IMAGE]

### Networks

List networks:

docker network ls

Remove one or more networks:

docker network rm [NETWORK]

Show information on one or more networks:

docker network inspect [NETWORK]

Connects a container to a network:

docker network connect [NETWORK] [CONTAINER]

Disconnect a container from a network:

docker network disconnect [NETWORK] [CONTAINER]