

Docker Cheat Sheet with examples

Pull a base image.

```
$ docker pull ubuntu
```

To create a Container.

```
$ docker run -d -it ubuntu /bin/bash
```

To stop a Container.

```
$ docker stop container_id
```

To restart a Container.

```
$ docker restart container_id
```

To Connect to a running Container.

```
$ docker attach container_id
```

To copy a file from a container to the host, you can use the command

```
$ docker cp containerId:/file/path/within/container /host/path/target
```

Copying files from host to docker container

```
$ docker cp foo.txt mycontainer:/foo.txt
```

```
$ docker cp mycontainer:/foo.txt foo.txt
```

How to mount host directory in docker container?

```
$ docker run -v /host/directory:/container/directory image_name command_to_run
```

```
$ docker run -d -it -v /usr/kishore/main_folder:/test_container ubuntu /bin/bash
```

Example

```
docker run --name myjenkins -p 8080:8080 -p 50000:50000 -v /var/jenkins_home jenkins
```

To delete a Container?

```
$ docker rm container_id
```

To show running Containers. With -a option, it shows running and stopped Containers.

```
$ docker ps
```

To show Container information like IP adress.

```
$ docker inspect container_id
```