**Save**

Save is used to persist an image (not a container). So we need the image name which we can see like this:

Save an image to a tar archive

1.docker images

2.docker save imagename > newimagename.tar

Or

3.docker save –o imagename newimagename.tar

**Check:**

**# ls(which path we r created tar archive)**

**Load:**

**Load an image from a tar archive**

**4.** docker load < busybox.tar

**Or**

**5**.docker load –i imagename.tar(path to image tar file)

**Check:**

6.docker images

**Export**

Export is used to persist a container (not an image). So we need the container id which we can see like this:

Stream the contents of a container as a tar archive

7.docker ps -a

8.docker export <CONTAINER ID> > /home/export.tar

Or

8i.docker export –output = “newname.tar” imagename

9.ls(check the path where we created tar file)

**Import:**

Create a new filesystem image from the contents of tarball

10.docker import /path/to/createdimage.tar

**Check:**

**11.docker images**

**Commit:**

**Create a new image from a container changes.**

**It can be useful to commit a container’s file changes or settings into a new image.**

**12. docker images**

**13. docker run –it imagename /bin/bash**

**/#mkdir sekharreddy**

**/#exit**

**# docker run -it sameimagename /bin/bash(same image run what u before)**

**/# ls (nothing will show )**

**14.docker ps -a**

**15. docker commit containerid(docker ps –a containerid) newimagename**

**Check:**

**16. docker images**

**Now we can run check it before created directory present or not**

**17.docker run –it newimagename(commitedimage) /bin/bash**

**18./#ls**

**(check sekharreddy available r not)**

**Exec:**

**The docker exec command runs a new command in a running container.**

**Usage: docker exec [OPTIONS] CONTAINER COMMAND [ARG...]**

**-d, --detach Detached mode: run command in the background.**

**-i, --interactive Keep STDIN open even if not attached**

**--privileged Give extended privileges to the command**

**-t, --tty Allocate a pseudo-TTY**

**19.docker images**

**20.docker run -it imagename /bin/bash**

**/#do somethindg create any files or dorectory**

**/#exit(ofter exit once you run same image nothing is there what you modified before that container)**

**Exec:**

**21..docker images(ofter run a particular image)**

**22..docker ps –a**

**23..docker restart containerid(docker ps –a containerid)**

**or**

**24..docker exec –it -d containerid(docker ps –a comtainerid) /bin/bash**

**25.docker ps**

**26…docker exec -it containerid /bin/bash**

**/#somthing modified**

**/#exit**

**Check;**

**27..docker exec –it containerid /bin/bash**

**/#ls**

**Exit.**

**Volume:**

**file sharing localhost and container**

**28…docker run –it –v localhostdirectory:container imagename /bin/bash**

**Example:**

**#docker run –it -v /home/k/mydocker:/k imagename /bin/bash**

**/#cd /k**

**/k# touch createfile**

**/k#ls**

**/k#exit**

**Host:**

**#cd /home/k/mydocker**

**#ls**

**Port mapping:**

**30.docker pull httpd**

**31…docker images**

**32…docker run -itd -P(capital) httpd**

**33…docker ps**

**Chech:**

**Localhost:port**

**Note:run same command next time the port number is increasing….**

**Example:**

**Firsttime run 33770:80/tcp**

**Secondtime: 33771:80/tcp**

**We assian own port….:**

**34…docker run -itd -p(small) 8080:80 httpd**

**Check:**

**35…docker ps**

**Localhost:8080**

**Latest containerid using in linux environment show:**

**36..docker ps -alq**

**Latest created container ,including non-running:**

**37.docker ps –l**

**Run hello world:**

# docker run Ubuntu /bin/echo “hello world”

**Give name:**

**# docker run –it --name=myname Ubuntu /bin/bash**

**Check:**

**# docker ps –a(check the name)**

**Give volume to container:**

**#docker images**

**#docker run –it -v /sekhar --name=name1 imagename /bin/bash**

**/#ls**

**……check volume …..sekhar…..**

**/#Exit**

**Note:once try same command not working error.**

**We can change name…..**

**Example:**

**#docker run –it –v /sekhar --name=name2 imagename /bin/bash**

**/#ls**

**……check….volume…..**

**/#exit**