

docker cli

image management commands:

create
images
rmi
build
diff
import
export
save

container commands:

run
attach
ps
start/restart/stop/kill
logs
attach
exec
rm
top

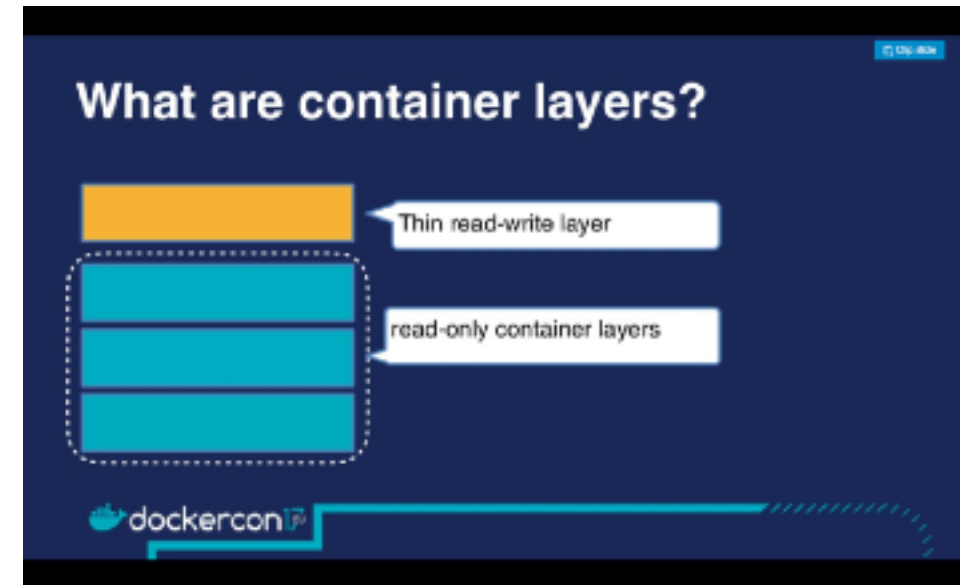
repo commands:

push
pull
commit
images
login
logout
rmi

docker image management

What is it?

- a snapshot of a file system
- layered, so generally maintains a list of FS changes
kind of like Git - at the expense of space
- only top level is R/W
- images can be tagged and stored locally in the image index, and remotely in a registry
- provides root access by default



When managed individually, images are generally created by this process:

- “**docker pull <user>/<image>:<tag>**” - starting with a OS base image (eg. library/busybox:latest)
- “**docker run -d**” or* “**docker create**” to apply modifications
- “**docker diff**” to inspect changes
- “**docker commit**” to save the changes to a new image name
- “**docker push**” to push the changes to a repo

* the difference between run (-d is detached) and create is that “create” never starts the container