**Docker Volumes**

1. command to create a new volume called myvol
   1. $ docker volume create myvol
2. Use the ls command to see the volume
   1. $docker volume ls
3. Use Inspect command to get the details of the ‘myvol’ created in step 1
   1. docker volume inspect myvol
4. delete the volume with the prune command.
   1. docker volume prune
5. create a new standalone container that mounts a volume called ‘bizvol’.
   1. docker container run -dit --name voltainer --mount source=bizvol,target=/vol alpine
   2. --mount flag is used to mount a volume called “bizvol” into the container at /vol
   3. The command completes successfully despite the fact there is no volume on the system called bizvol
   4. If you specify an existing volume, Docker will use the existing volume
   5. If you specify a volume that doesn’t exist, Docker will create it for you
6. Repeat step 2 to see the bizvol created.
7. Although containers and volumes have separate lifecycle’s, you cannot delete a volume that is in use by a container
   1. docker volume rm bizvol
8. Let us now write some data to the volume just created
   1. docker container exec -it voltainer sh
   2. /# echo "Writing some random data" > /vol/file1
   3. /# ls -l /vol
   4. /# cat /vol/file1
   5. exit
9. Delete the container
   1. docker container rm voltainer -f
   2. -f is a forceful delete
10. Even though the container is deleted, the volume still exists:
    1. docker volume ls
11. create another container to use the same volume
    1. docker container run -d --name nxtcont --mount source=bizvol,target=/vol alpine sleep 1d
12. check if the file is available in this volume
    1. docker container exec -it nxtcont sh
    2. cat /vol/file1
13. Install a third party plugin
    1. docker plugin install store/storidgeinc/cio:1.0.0
    2. choose ‘y’ when it asks for permissions
14. Check if the plugin was installed
    1. docker plugin ls
15. Not to be done. For information purpose only
    1. Now we can create our custom volumes from this plugin
       1. Docker volume create -d [ID of the plugin] -o size=10GB testvol