# **Docker Case Study**

Soumith Kumar Dachepalli IMT2016110

### **Allocating Containers To Users**

```
Soumith@soumith-PC: ~/Desktop/Software_Engineering/docker_assn
soumith@soumith-PC:~/Desktop/Software_Engineering/docker_assn$ cat users.txt
user1
user2
user3
user4
user5
soumith@soumith-PC:~/Desktop/Software_Engineering/docker_assn$_./c
  🛑 📵 root@soumith-PC: ~/Desktop/Software_Engineering/docker_assn
root@soumith-PC:~/Desktop/Software_Engineering/docker_assn# ./create_containers.
sh
Enter name of file with usernames: users.txt
d1211c5d12120775ff355983f62d0e4b220d579507c1f477d5c9f54312154444
7e7176851733ab3283d7615c8ae732606025e7b127629a541a861662fd3cd61a
a4786a8781fa435cf2cd3b4dbce3a372da552b3d0329af600fb126837d2bc57c
da3dcee112debe5d9294262e68f37b1fc984b2111c0d5f7d82b8d843ade8152c
0ede396f8090c751854d1efb5c467b2aa79ea187e95cbb26870efd41426e181f
root@soumith-PC:~/Desktop/Software_Engineering/docker_assn#
```

#### **Created Containers**

root@soumith-PC:	~/Desktop/Software_I	Engineering/docker_as	sn# docker ps -a
CONTAINER ID	IMAGE	COMMAND	CREATED
STATUS	PORTS	NAMES	
0ede396f8090	ubuntu	"/bin/bash"	About a minute ago
Created		user5	
da3dcee112de	ubuntu	"/bin/bash"	About a minute ago
Created		user4	
a4786a8781fa	ubuntu	"/bin/bash"	About a minute ago
Created		user3	
7e7176851733	ubuntu	"/bin/bash"	About a minute ago
Created		user2	
d1211c5d1212	ubuntu	"/bin/bash"	About a minute ago
Created		user1	

#### For a user to access a container

```
soumith@soumith-PC: ~/Desktop/Software_Engineering/docker_assn
echo -n "Enter your username: "
read name
docker start $name
docker attach Sname
 🙆 🖨 🗊 root@soumith-PC: ~/Desktop/Software_Engineering/docker_assn
root@soumith-PC:~/Desktop/Software_Engineering/docker_assn# ./useContainer.sh
Enter your username: user1
user1
root@d1211c5d1212:/# ls
bin dev home lib64 mnt proc run
                                             tmp
                                        STV
                                                  var
boot etc lib media opt root sbin sys
                                             UST
root@d1211c5d1212:/# cd usr
root@d1211c5d1212:/usr# ls
bin games include lib local sbin share src
root@d1211c5d1212:/usr# exit
exit
root@soumith-PC:~/Desktop/Software_Engineering/docker_assn#
```

### **Monitoring The Containers**

```
soumith@soumith-PC: ~/Desktop/Software_Engineering/docker_assn
echo -n "Enter username of container to be monitored: "
read name
docker logs -f $name

read name
read
```

### Output

```
root@d1211c5d1212:/# exit
exit
root@d1211c5d1212:/# ls
bin dev home lib64 mnt proc run srv tmp var
boot etc lib media opt root sbin sys usr
root@d1211c5d1212:/# cd usr
root@d1211c5d1212:/usr# ls
bin games include lib local sbin share src
root@d1211c5d1212:/usr# exit
exit
```

## **Deleting The Containers**

It can be seen that the container for user1 has been deleted