Mitesh Soni

# Understanding the Client-Server Architecture of Docker



# In this Video, we are going to take a look at...

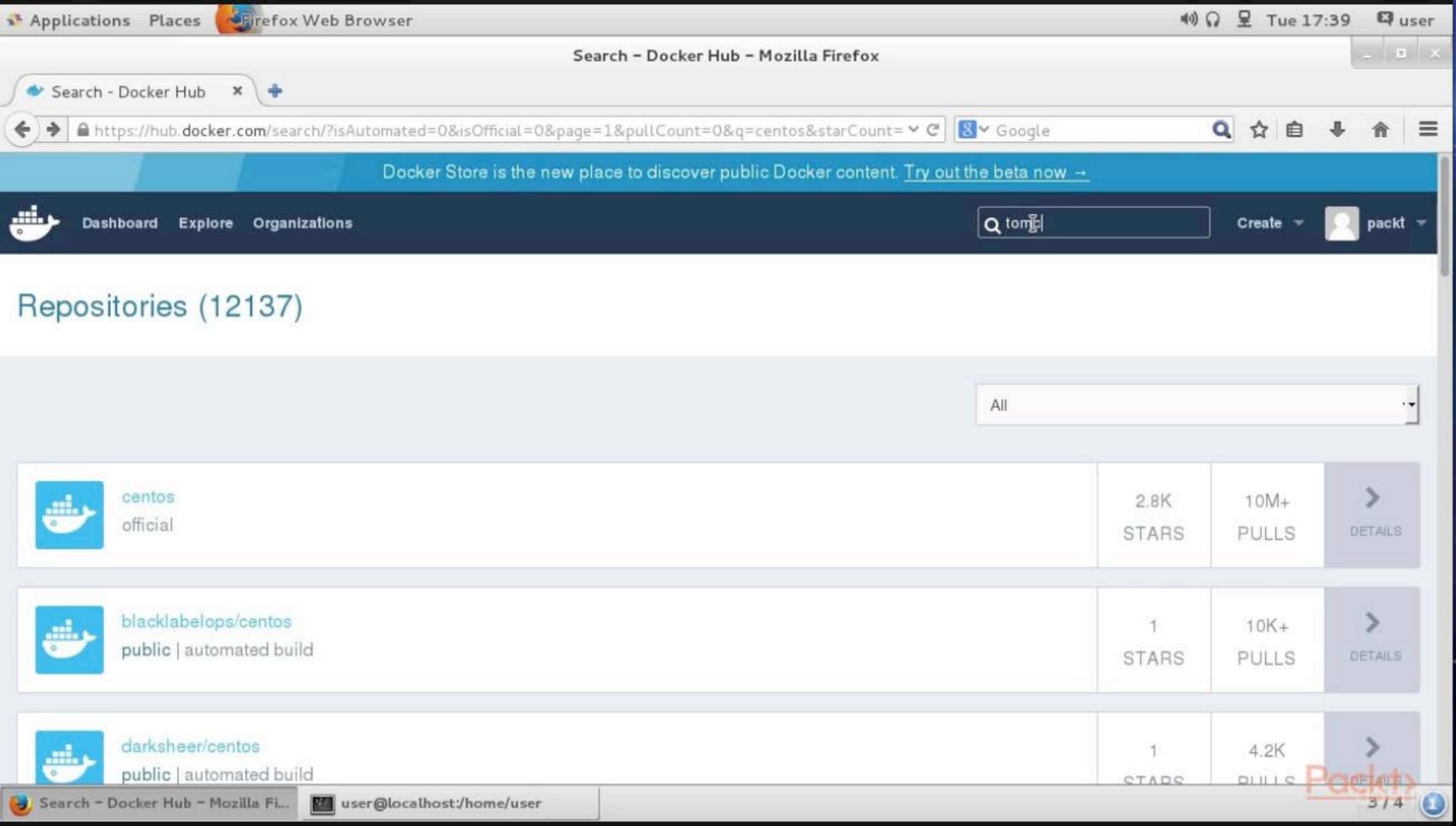
- Learning to use the existing Tomcat image
- Creating a sample image with a Tomcat installation
- Verifying the images with Docker images to run the Tomcat image
- Using Docker inspect with the container ID to find out the IP address of the container

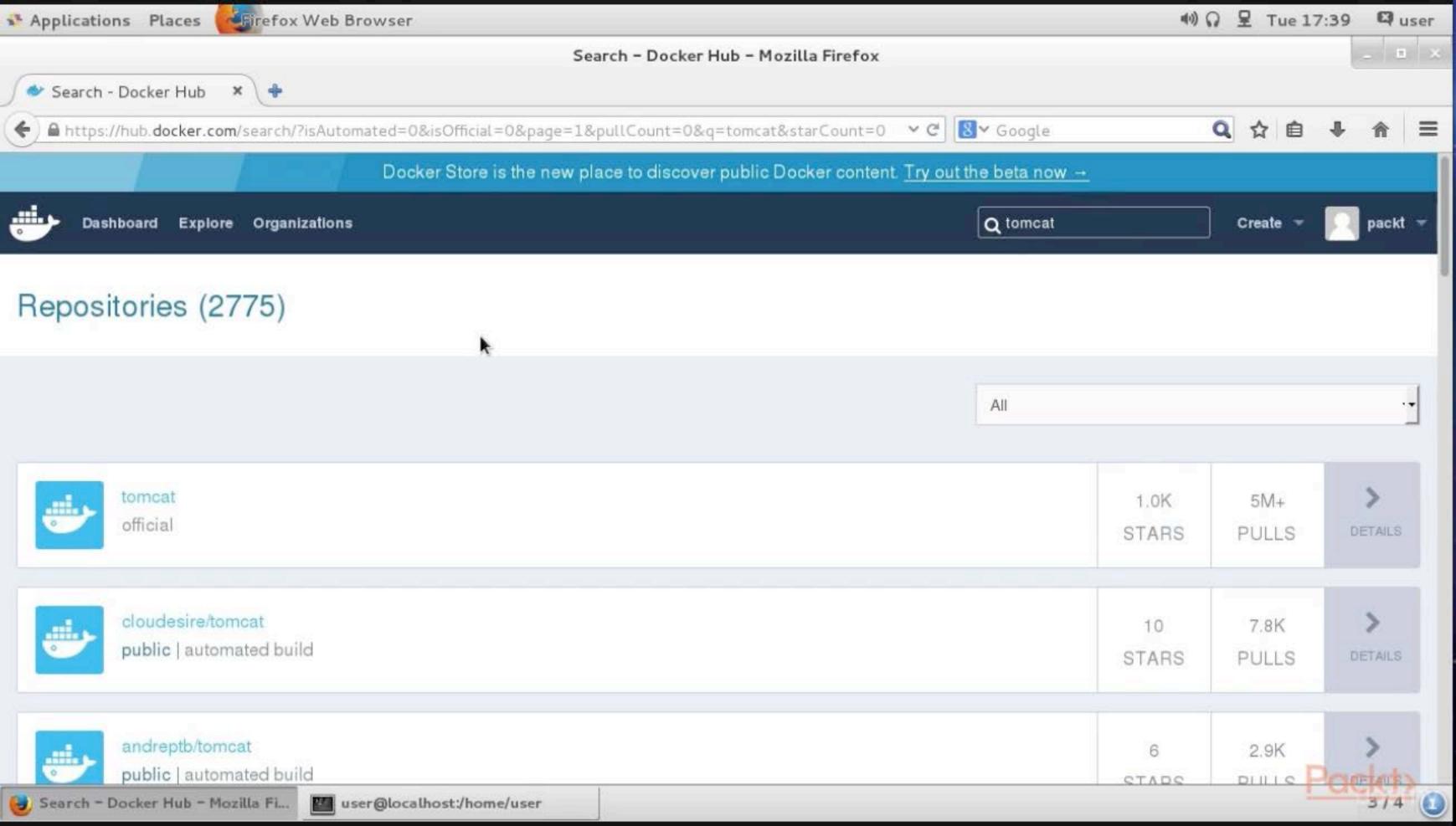


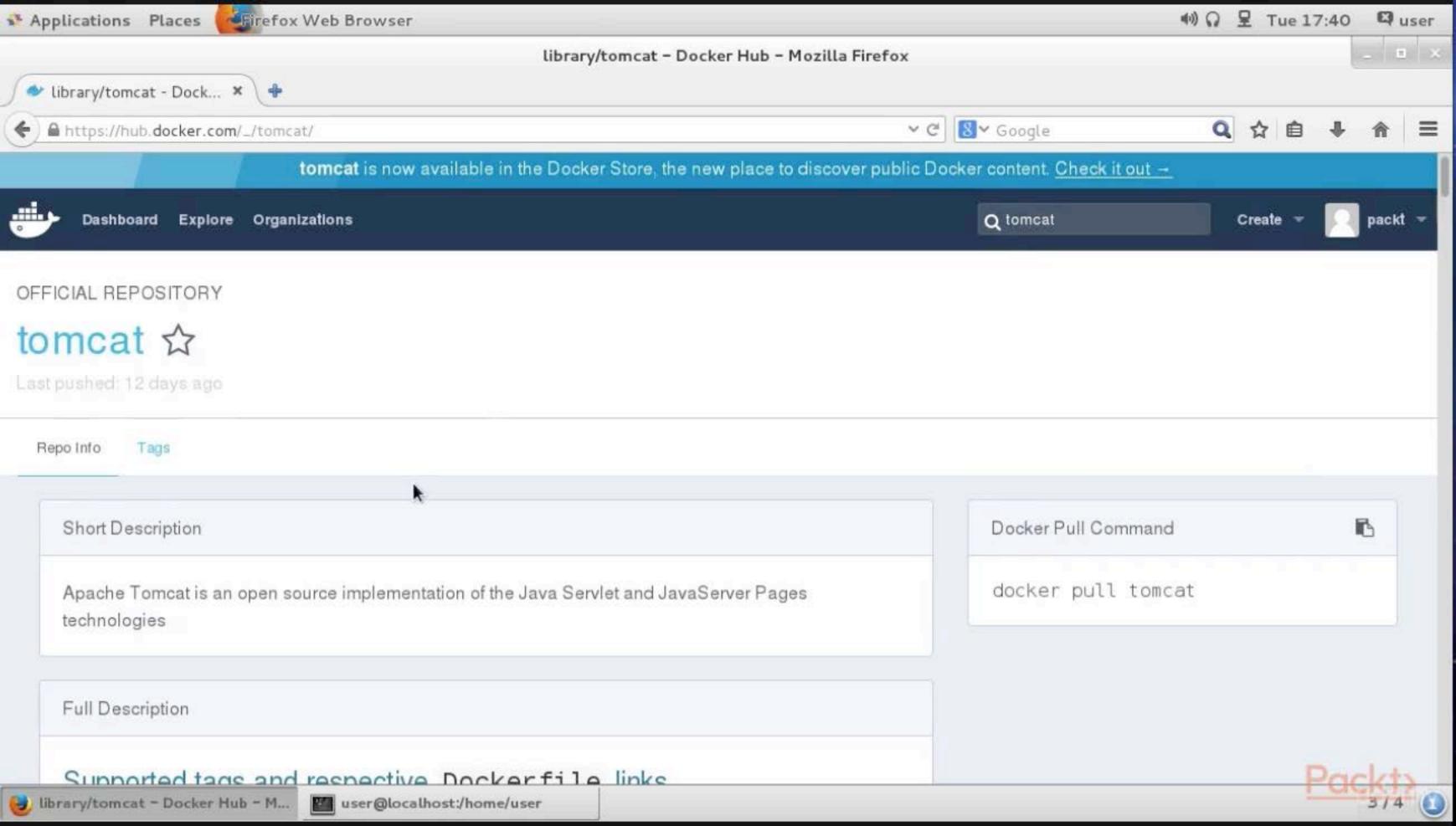
### Tomcat Server

- Deploy a sample Spring application named Pet-clinic on our Tomcat server
- In Container environment, host OS is installed and then it is used to host container layer
- Container layer is used for provisioning container instances
- Container instances are extremely lightweight and efficient as extra libraries or resources are needed for the operating system that is needed in the virtual machine while not in case of containers

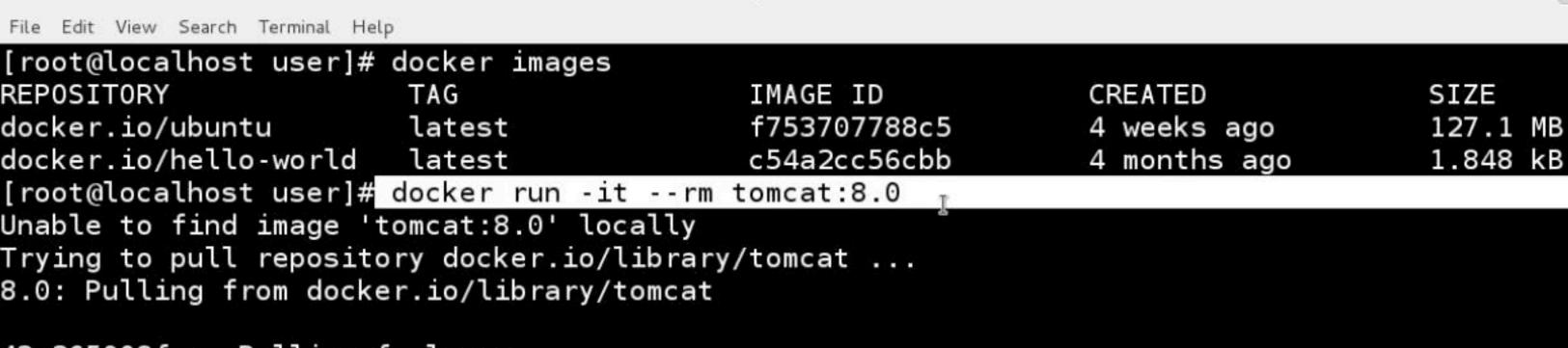








#### user@localhost:/home/user

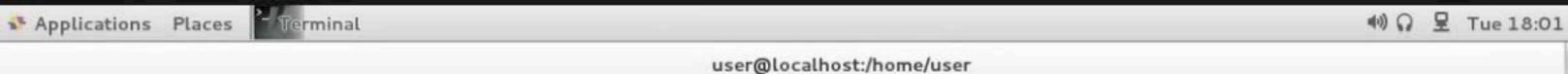


43c265008fae: Pulling fs layer af36d2c7a148: Downloading 595 kB/18.53 MB 2b7b4d10e1c1: Downloading 556.2 kB/566.6 kB 35dfd23791b5: Waiting fa0aca12f0dd: Waiting 6e3e424fb5e8: Waiting 3134459e064c: Waiting

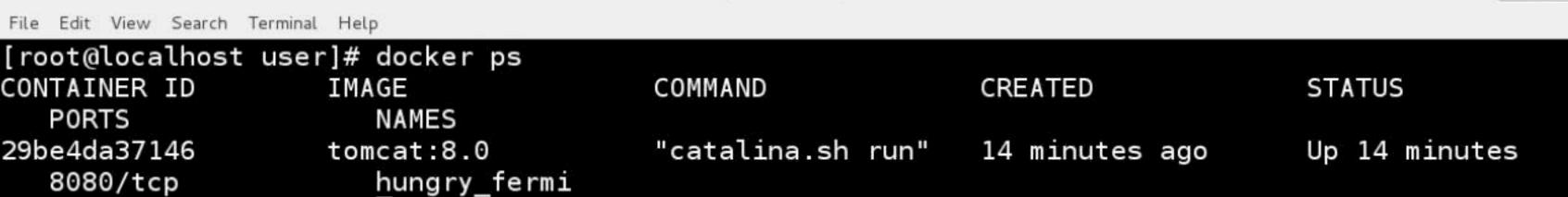
user@localhost:/home/user

bac57527e43a: Waiting 3b033f96b6a0: Waiting 088aa8eca2bc: Waiting

3189bffb00al: Waiting



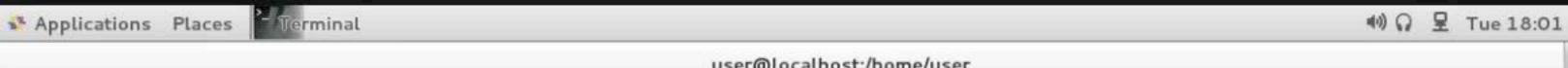


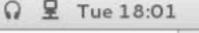


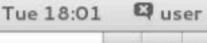
C user

D X

[root@localhost user]#







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"catalina.sh run"

[root@localhost user]# docker ps CONTAINER ID IMAGE COMMAND CREATED **PORTS** 

NAMES tomcat:8.0

29b&4da37146 8080/tcp hungry\_fermi

[root@localhost user]# docker inspect

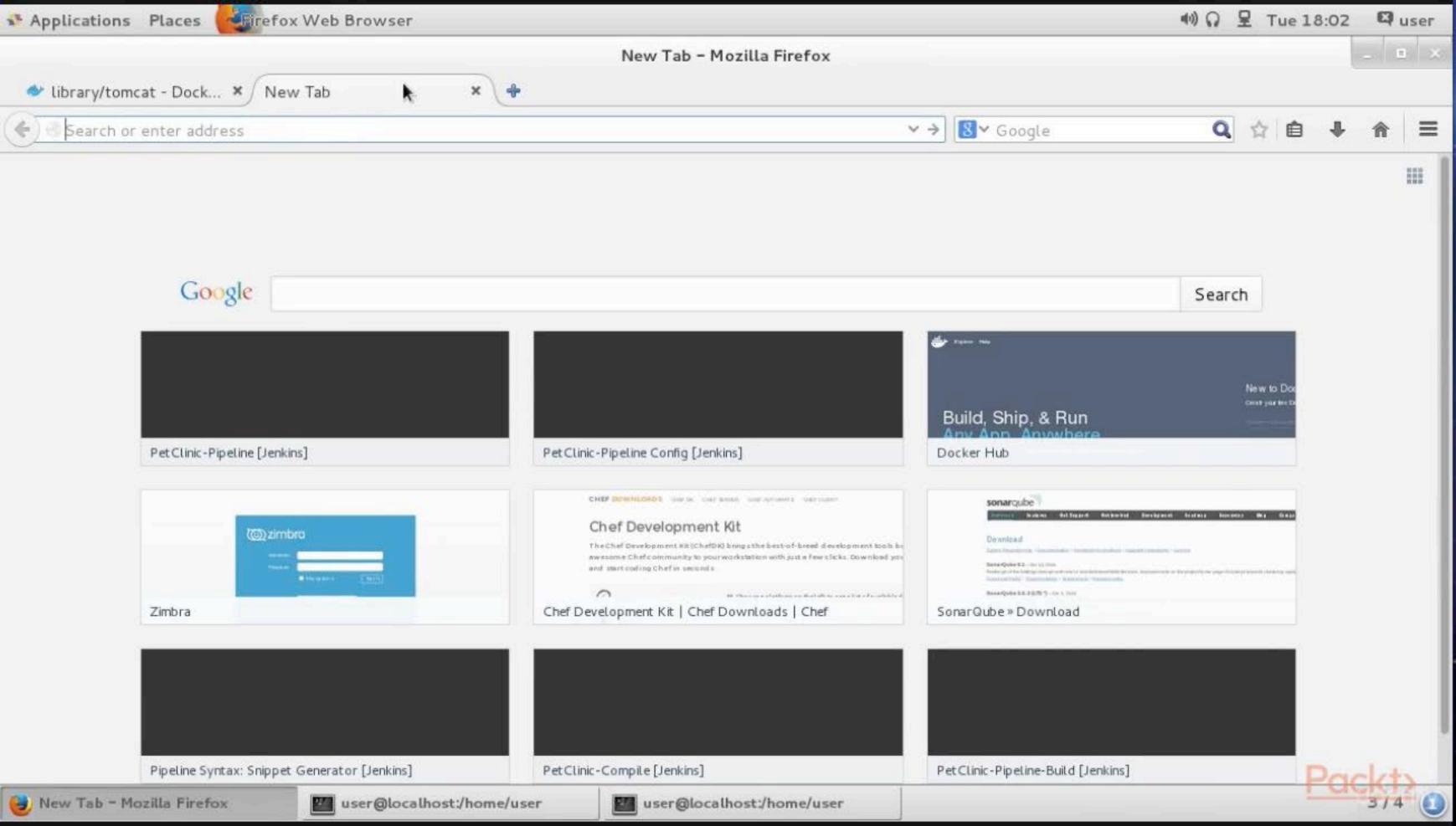
File Edit View Search Terminal Help

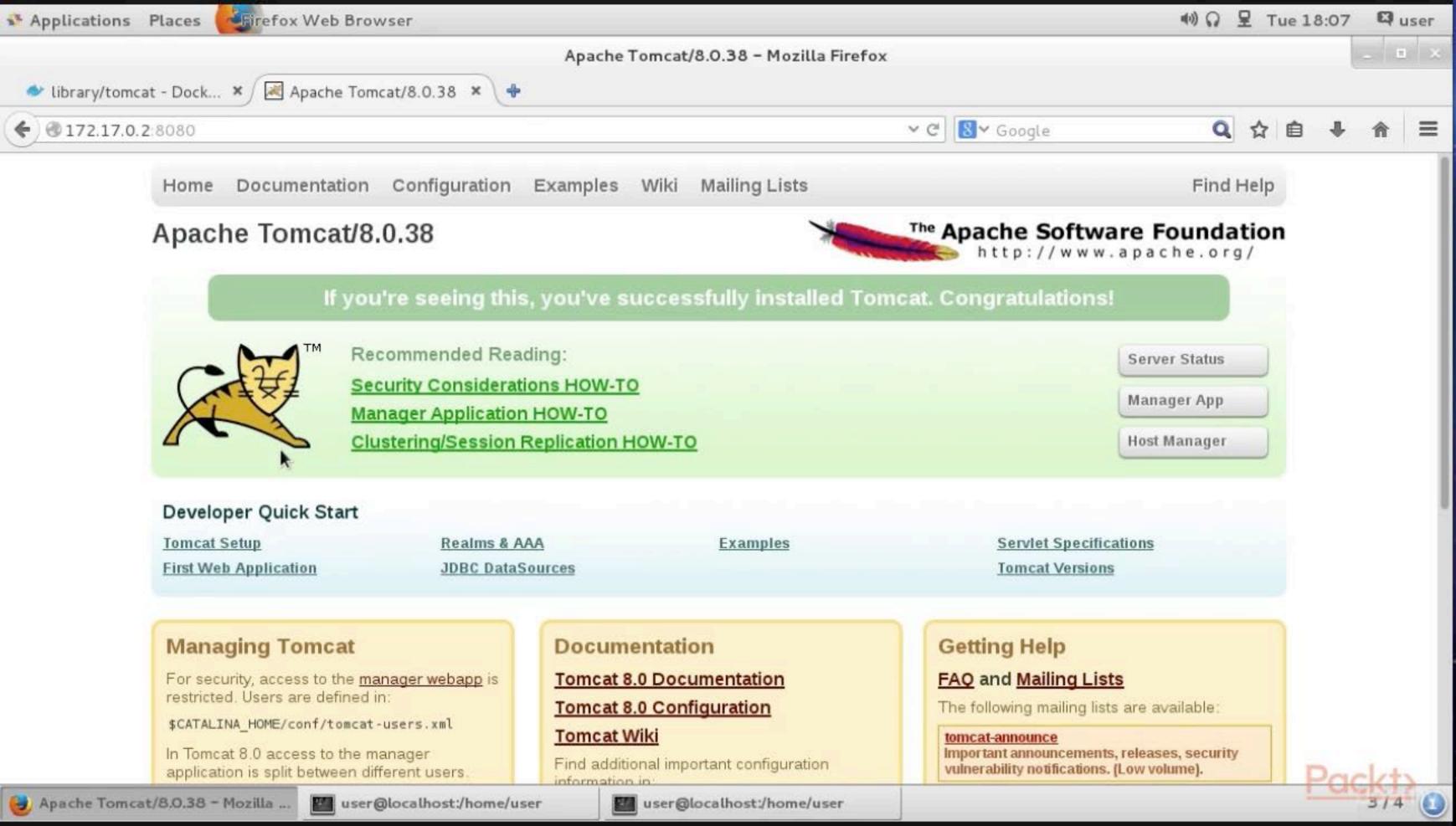
STATUS

14 minutes ago Up 14 minutes

E user

[root@localhost user]#





## Next Video

Managing Containers

