* Create an EC2 instance for Docker
  + Use Ubuntu
  + Keep storage 15 GB
  + All TCP – enable
* Use Putty – launch
  + Login as – ubuntu
  + sudo su - root
  + apt-get update
  + apt install docker.io
* Dockerfile – instruction to create an image
* Dockerimage – AMI
* Dockercontainer – instance
* Dockerhub – Go to docker hub -> show httpd – webserver
* Go to instance
  + docker images
  + docker pull httpd
* We are going to learn Port forwarding – reason is this httpd runs inside a container. It is not running in ubuntu – so
  + By default httpd run in port 80
  + SSH port number – 22
  + Mysql runs in – 3306
* docker ps – it will show you how many containers run now

docker run -itd -p “7070:80” httpd

docker run -itd -p “9090:80” httpd

docker ps

docker run -itd -p “9999:8080” jenkins/Jenkins

* to stop Jenkins
  + docker stop <container id>
* to go to a container
  + docker exec -it <container id> /bin/bash
    - cd htdocs
    - ls lrt
    - cat index.html
    - vi index.html
    - apt get update
    - apt install vim
    - vi index.html
    - change “It works” to <any msg u want>
    - exit
    - docker ps
    - docker ps -a
    - docker start <container id>
* to remove a container
  + docker stop <container id>
  + docker rm <container id>
  + docker rmi httpd – don’t delete cos it is still running
  + docker rmi Jenkins/Jenkins