

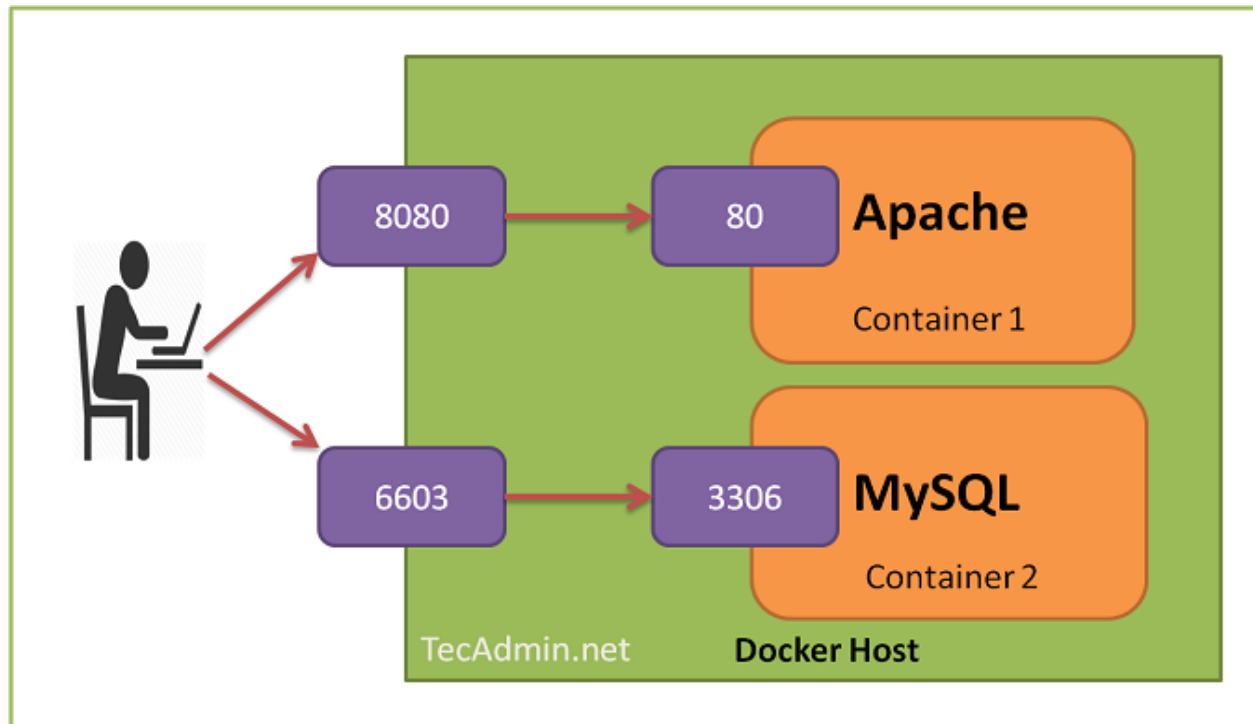


DEVOPS EASY LEARNING

Class review-3
S5GROUP5
BrainCells
(DOCKER/AWS)

Questions

1. In docker what does volume refers to?
2. What is the difference between volume mount and bind mount
3. Can you briefly explain the type of volume you know?
4. There are 3 type of port forwarding in docker can you name them?
5. Can you please used the image below to explained very briefly the different type of port forwarding?



Questions

6. What is the purpose of docker commit command ?
7. Why working on docker are you able to see process running inside a container from the docker host? If yes/no why?
8. Is it possible to list a content from directory running inside a container from the docker host?
9. What's the difference between docker export and docker save?
10. Can you please briefly explained the types of docker network?
11. Can you please explained with detail what those these command do?
 - **docker run --itd --name mycontainer -v /mydata:/app/data ubuntu:latest**
 - **docker exec --it mycontainer ls**
 - **docker commit container_id/container_name repository[:tag]**
 - **docker run -rm ubuntu bash**
 - **docker save ubuntu > ubuntu.tar**



HANDS ON AWS/DOCKER

You have just been hired for 3 years as a devOps engineer at EK_tech software solution, on day 1 as a devOps engineer your manager ask you to login on AWS and perform the following task:

1. Deploy a server using Ubuntu image and on your server configuration assign the key you generated and security group.
2. Your server is now running, login using the ssh client and perform the following task
 - Update the server
 - Install docker on the server
 - Execute the following command to download the developer code from an s3 bucket
 - `wget https://linux-devops-course.s3.amazonaws.com/WEB+SIDE+HTML/static-website-example.zip`
 - Unzip the directory and copy all its content on your docker host home directory
 - Delete the zip directory and the unzip directory
 - Pull an image called httpd from docker hub
 - What is the purpose of httpd in docker
 - While deploying container follows the specific instruction
 - mount the host home directory on the httpd container (/usr/local/apache2/htdocs/)
using free port forwarding
 - mount the host home directory on the httpd container (/usr/local/apache2/htdocs/)
using bind port forwarding



HANDS ON AWS/DOCKER

- Create an image from the running container that you deployed using the free port forwarding
 - Push the image to your repository in Docker Hub
 - Save the image on your system.
3. Your manager asked you to create an S3 bucket so as to keep company private stuff, you are tasked to do the following:
- On the S3 configuration bucket, disable public access, then create.
 - Create a folder named company and upload some random stuff from your computer to the S3 bucket.



FEEL FREE TO DELETE WHEN YOU'RE DONE

