Clarusway

Backend Workshop -10-

Workshop

Subject:

- Docker

Learning Goals

- Working on Docker

Introduction

- In this work, we will improve our Docker skills.

Prerequisites

- We will use the Docker.

Lets start

1. What is Docker

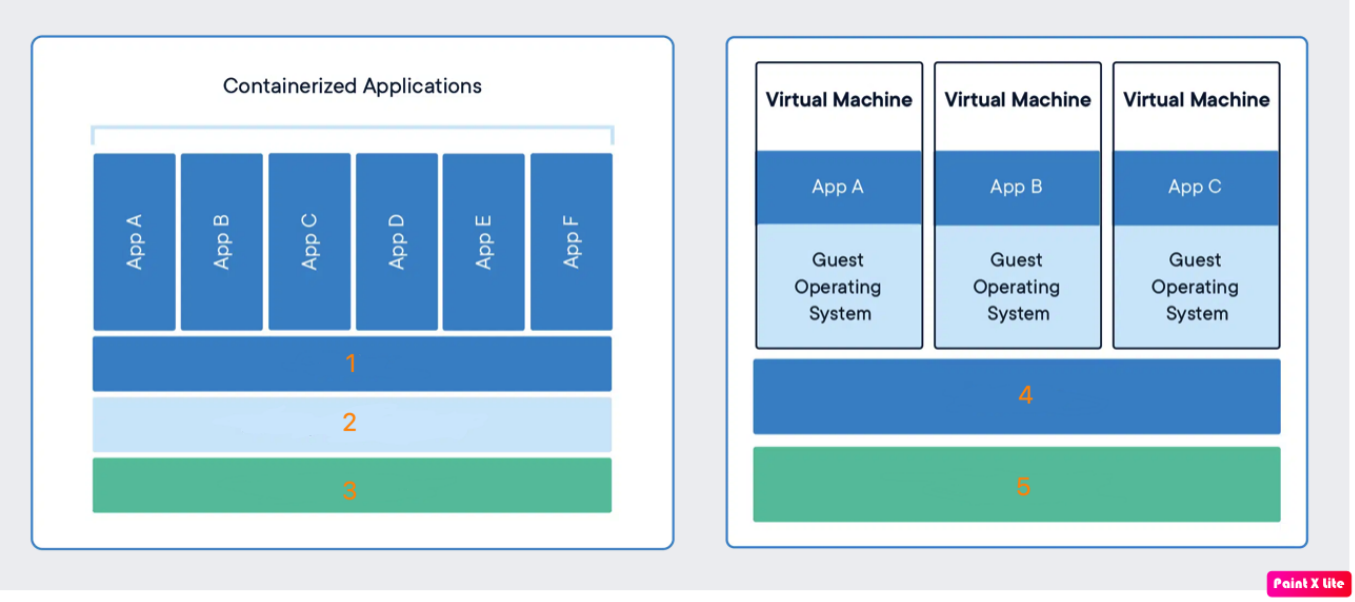
A. Docker provides on-demand cloud computing platforms and APIs to individuals, companies, and governments, on a metered, pay-as-you-go basis.
B. Docker is a set of platform as a service product that use OS-level virtualization to deliver software in packages called containers.
C. Docker is an open source automation server which enables developers around the world to reliably build, test, and deploy their software.
D. Docker is a composable observability platform, integrating metrics, traces and logs

Answer:

2. Docker vs Virtual Machines.. Which one is false?

A. VM boots up its own guest OS - A Docker container virtualizes only the application layer, and runs on top of the host operating system.
B. A virtual machine uses its own operating system and is independent of the host operating system that it's running on. Therefore, a VM is compatible with all operating systems. A Docker container, on the other hand, is compatible with any Linux distribution. You may run into some problems running Docker on a Windows machine or an older Mac.
C. A VM is lightweight and is typically in the order of kilobytes. A docker container can be as large as a few gigabytes or even terabytes.
D. Docker containers provide near-native performance. Because they are lightweight, you can start them in a few milliseconds. Starting a VM is equivalent to setting up a standalone machine inside your computer. It can take as long as a few minutes to start a VM instance.

3.What is the correct order of the answers?



A. 1-Host operating system 2- Docker engine 3-infrastructure 4- Virtual machine host 5- infrastructure
B. 1-Docker engine 2- Host operating system 3-infrastructure 4- Host operating system 5- infrastructure
C. 1-Docker engine 2- Host operating system 3-infrastructure 4- Hypervisor 5- infrastructure
D. 1-Docker engine 2- Hypervisor 3-infrastructure 4- Host operating system 5- infrastructure

Answer:

4. A text document that contains all the commands a user could call on the command line to assemble an image. Which concept is explained above?

A. Dockerfile
B. .dockerignore
C. Docker image
D. Docker container

Answer:

5. Which command creates a container from an image?

A. docker build
B. docker start
C. docker images
D. docker run

Answer:

6. `docker build -t <image_name> .` **What is the purpose of this command?**

A. Run and set container name.
B. Stop and delete passive containers/images/caches.
C. Create images from a Dockerfile.
D. List local images.

Answer:

7. What is a Docker Registry? A. The docker engine runs behind the scenes
B. A service that hosts and distributes Docker images
C. Orchestration of docker containers
D. Collections of docker files

Answer:

8. Can you tell something about docker container?

Answer:

9. What are docker images?

Answer:

10. What is a DockerFile?

Answer:

11. What can you tell about Docker Compose?

Answer:

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Teamwork
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Teamwork

Subject:

- Hotel Api - Docker

Learning Goals

- Preparing Hotel Api - Docker

Introduction

- Answer by discussing among yourselves.

Prerequisites

- Answer by discussing among yourselves.

Lets start

We expect you to add Docker to the Hotel API project as a team. Hotel Api Project

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☺ **Thanks for Attending** ✍

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