

Student VERSION (Backend Sprint-4 Week-1)



CLARUSWAY
WAY TO REINVENT YOURSELF

Meeting Agenda

- ▶ Icebreaking
- ▶ Questions
- ▶ Interview Questions
- ▶ Coding Challenge
- ▶ Video of the week
- ▶ Retro meeting
- ▶ Case study / project

Teamwork Schedule

Ice-breaking

5m

- Personal Questions (Stay at home & Corona, Study Environment, Kids etc.)
- Any challenges (Classes, Coding, studying, etc.)
- Ask how they're studying, give personal advice.
- Remind that practice makes perfect.

Team work

5m

- Ask what exactly each student does for the team, if they know each other, if they care for each other, if they follow and talk with each other etc.

Ask Questions

15m

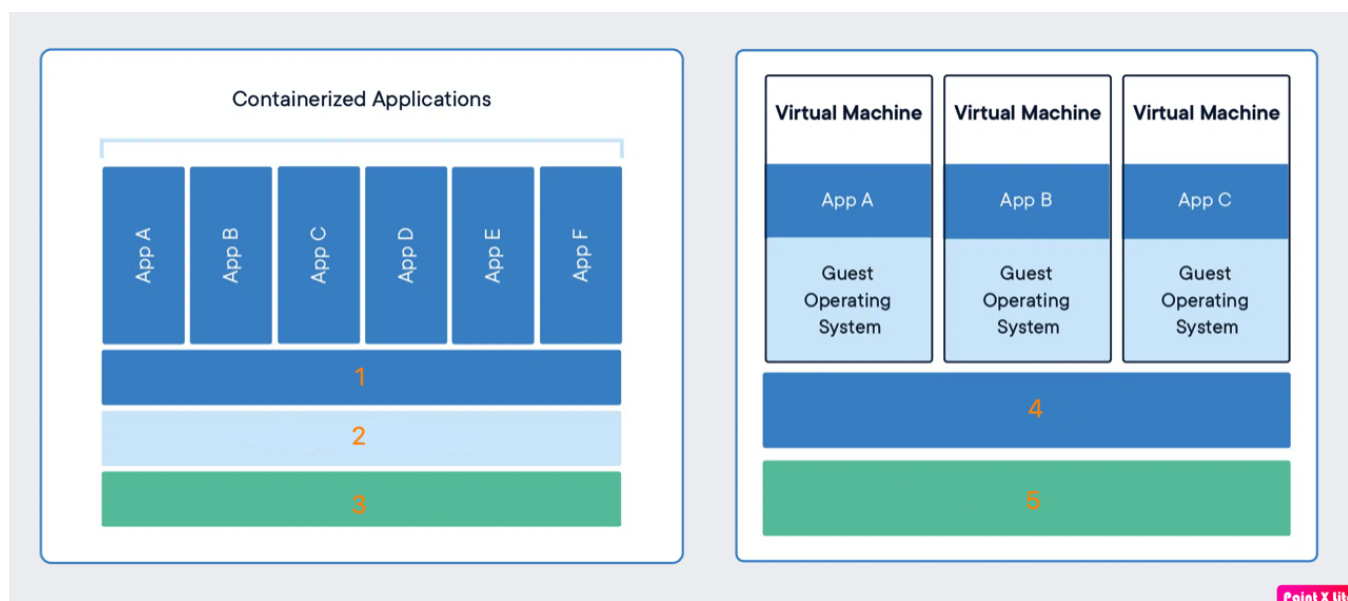
1. What is docker?

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

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 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

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

5. In what format is the docker composite file created?

- A. JSON
- B. XML
- C. Markdown
- D. YAML

6. Which command runs images to container?

- A. docker build -t <user_name>/<image_name> .
- B. docker start|stop <container_name>
- C. docker container ls
- D. docker run -d -p <ext_port_number>:<int_port_number> --name <container_name> <image_name>

7. docker build -t <user_name>/<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 dockerfile.
- D. List local images.

8. What is a Docker Registry?

- A. The docker engine runs behind the scenes
- B. service that hosts and distributes Docker images
- C. Orchestration of docker containers.
- D. Collections of docker files

9. Which class we should inherit for customising admin site?

- A. Generics
- B. ModelAdmin
- C. AdminSite
- D. APIViewn

10. The admin interface has the ability to edit models on the same page as a parent model. These are called Which expression is suitable for the blank?

- A. Fieldsets
- B. Register
- C. Inlines
- D. Models

Interview Questions

15m

1. Can you tell something about docker container?

2. What are docker images?

3.What is a DockerFile?

4. What can you tell about Docker Compose?

Coding Challenge

35m

There is no coding challenge

Coffee Break

10m



Video of the Week

10m

- [What Is Docker And How It Works?](#)

Retro Meeting on a personal and team level

5m

Ask the questions below:

- What went well?
- What went wrong?
- What is the improvement areas?

Case study/Project

0m

- [Dockerize Task Tracker App](#)

Closing

5m

-Next week's plan

-QA Session
