

STUDENT VERSION (DevOps-Week-2)



CLARUSWAY
WAY TO REINVENT YOURSELF

Meeting Agenda

- ▶ Icebreaking
- ▶ Microlearning
- ▶ Questions
- ▶ Interview/Certification Questions
- ▶ Coding Challenge
- ▶ Article of the week
- ▶ 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, AWS, studying, etc.)
- Ask how they're studying, give personal advice.
- Remind that practice makes perfect.

Team work

10m

- 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. How do you create a Docker volume ?

- A. By using the "docker create volume" command
- B. By using the "docker volume create" command
- C. By using the "docker new volume" command
- D. By using the "docker add volume" command

2. What is Docker Networking used for ?

- A. Managing container lifecycles
- B. Monitoring CPU usage
- C. Isolating containers from the host network
- D. Optimizing container storage

3. What is the purpose of Docker images ?

- A. To provide a graphical user interface for Docker
- B. To store and distribute applications and their dependencies
- C. To manage Docker networking configurations
- D. To schedule container tasks

4. What does Docker Compose YAML file define ?

- A. Docker image layers
- B. Docker container states
- C. Docker network configurations
- D. Docker services and their configurations

5. Describe the Docker installation process on a Linux system.

- A. Using the "apt-get" package manager
- B. Using the "yum package" manager
- C. Using the "docker" command
- D. All of the above

Interview/Certification Questions**20m**

1. What is Docker Compose, and how does it differ from Docker ?
2. How are Docker images created, and what are the key components of a Dockerfile ?
3. Explain the concept of Docker networking, and discuss the different types of Docker networks.
4. What are Docker volumes, and why are they important in containerized applications ?
5. Describe the process of installing Docker on a Linux system.

Article of the Week**10m**

- [Docker Series — What is Docker?](#)

Video of the Week**10m**

- [What is Docker ?](#)

Retro Meeting on a personal and team level

10m

Ask the questions below:

- What went well?
- What could be improved?
- What will we commit to do better in the next week?

Coding Challenge

5m

- [Coding Challenge - 002 : Convert Milliseconds into Hours, Minutes, and Seconds](#)

Case study/Project

10m

Case study should be explained to the students during the weekly meeting and has to be completed in one week by the students. Students should work in small teams to complete the case study.

- [Project 203-dockerization-bookstore-api-on-python-flask-mysql](#)

Closing

5m

-Next week's plan

-QA Session