

# STUDENT VERSION (DevOps-Week-3 )

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CLARUSWAY  
WAY TO REINVENT YOURSELF

## Meeting Agenda

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

# Teamwork Schedule

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## 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. What is Kubernetes ?

- A. A container runtime
- B. A container orchestration platform
- C. A virtualization tool
- D. An operating system

### 2. What is the primary function of Docker Hub ?

- A. To provide a cloud platform for running Docker containers.
- B. To offer enterprise support for Docker deployments.
- C. To serve as a public registry for Docker images.
- D. To provide a graphical user interface for Docker.

### 3. In Docker, what is the purpose of the "docker push" command ?

- A. To pull Docker images from a registry.
- B. To build a new Docker image.
- C. To remove a Docker container.
- D. To push a Docker image to a registry.

**4. What does the term "Docker Compose" refer to?**

- A. A command for creating Docker images.
- B. A tool for managing Docker volumes.
- C. A tool for defining and running multi-container Docker applications.
- D. A utility for monitoring Docker containers.

**5. What is the primary use case for Docker Swarm?**

- A. To manage Docker images.
- B. To build Docker containers.
- C. To orchestrate and scale Docker containers in a cluster.
- D. To run Docker containers in a single host.

**Interview/Certification Questions****20m**

**1. What is the difference between Docker's "attach" and "exec" commands for interacting with running containers ?**

**2. How do you update a running Docker service in Docker Swarm without downtime ?**

**3. What is Docker's "swarm mode," and how does it enable high availability ?**

**4. What is a Docker registry, and how can you use a private registry ?**

**5. What is the purpose of a Docker container volume ?**

**Article of the Week****10m**

- [What is Docker? What is Container? What is Dockerfile? What is Docker Image?](#)

**Video of the Week****10m**

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

## 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 - 009 : Validate Customers with Security Questions](#)

## 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 of Bookstore Web API \(Python Flask\) with MySQL](#)

## Closing

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-Next week's plan

-QA Session

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-Next week's plan

-QA Session

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