TEAM LEAD VERSION (DevOps-Week-3)

TEAMWORK

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. What is the primary purpose of Docker Swarm ?

A. To build Docker images
B. To run containers on a single node
C. To manage and orchestrate containers across multiple nodes
D. To manage Kubernetes clusters

2. What is a Docker Swarm manager node responsible for ?

A. Running containers and hosting applications
B. Serving as the main entry point for the Docker API and managing the cluster state
C. Providing external access to services in the swarm
D. Balancing the load between worker nodes

3. What is the purpose of Docker service in Docker Swarm ?

A. To define the number of replicas for a specific container
B. To define the configuration for a container, including image, ports, and environment variables
C. To specify the resources (CPU and memory) assigned to a container
D. To enable communication between containers within the swarm

4. How does Docker Swarm ensure high availability and fault tolerance for services ?

A. By replicating containers on a single node
B. By automatically restarting failed containers on the same node
C. By using a load balancer to route traffic to healthy containers on different nodes
D. By creating replicas of services across multiple nodes

5. Which command is used to initialize a new Docker Swarm?

A. docker init
B. docker swarm init
C. docker swarm create
D. docker start swarm

Interview/Certification Questions 20m

1. What is the purpose of Docker Swarm's "secrets" feature ?

2. What is the purpose of Docker Swarm's "rolling update" feature ?

3. Explain the role of a manager node in Docker Swarm.

4. How can you scale a service in Docker Swarm to meet increased demand ?

5. How can you update the configuration of a service in Docker Swarm without causing downtime?

Article of the Week 10m

- What is a Docker Swarm?

Video of the Week 10m

- Docker Swarm | What Is Docker Swarm? | Docker Swarm Example

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 - 005 : Create Phonebook Application

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 5m

-Next week's plan

-QA Session

-Next week's plan

-QA Session
