

STUDENT VERSION (DevOps-Week-3)



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 Kubernetes in container orchestration ?

- A. Managing virtual machines
- B. Automating deployment and scaling of containerized applications
- C. Monitoring network traffic
- D. Creating database backups

2. How does Kubernetes networking facilitate communication between pods ?

- A. Through direct IP address assignment
- B. Via virtual private networks (VPN)
- C. Using a service mesh for routing
- D. By assigning each pod a unique DNS name

3. What is the purpose of Kubernetes Secrets and ConfigMaps ?

- A. To manage cluster nodes
- B. To store and manage sensitive information and configuration data
- C. To monitor resource utilization
- D. To automate deployment workflows

4. Which of the following is NOT a Kubernetes resource type ?

- A. Pods
- B. Deployments
- C. Containers
- D. Services

5. Which Kubernetes object is used to manage multiple replicated instances of a pod ?

- A. Deployment
- B. Pod
- C. ReplicaSet
- D. StatefulSet

Interview/Certification Questions

20m

1. Describe the significance of networking in Kubernetes clusters and how it facilitates communication between pods.
2. Explain the purpose of Kubernetes Secrets and ConfigMaps, and how they are utilized in managing sensitive information and configuration data.
3. Explain the concept of pod in Kubernetes and its significance in deploying and managing applications.
4. Discuss the importance of labels and selectors in Kubernetes and how they are used to organize and manage resources.
5. What role does etcd play in Kubernetes, and how does it contribute to maintaining the cluster's state ?

Article of the Week

10m

- [What is Kubernetes?](#)

Video of the Week

10m

- [What is Kubernetes ?](#)

Coding Challenge

5m

- [Coding Challenge 003 : Find the Largest Number](#)

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?

Closing

5m

-Next week's plan

-QA Session