

STUDENT VERSION (DevOps-Week-10)



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 goal of monitoring in a software environment ?

- A. To slow down system performance.
- B. To gather insights into the system's health and performance.
- C. To add more complexity to the system.
- D. To reduce the need for regular updates.

2. Why is real-time monitoring important for applications ?

- A. Real-time monitoring is not important.
- B. It allows for immediate response to issues and better decision-making.
- C. Real-time monitoring can lead to data corruption.
- D. It only provides historical data, not real-time insights.

3. What is the role of Prometheus in monitoring ?

- A. Prometheus is a popular Linux distribution.
- B. It's a container orchestration tool.
- C. Prometheus is an open-source monitoring and alerting toolkit.
- D. It's a programming language.

4. How does Prometheus collect data from Kubernetes clusters ?

- A. It uses psychic powers to predict the data.
- B. Prometheus is unable to collect data from Kubernetes clusters.
- C. Through Kubernetes APIs and service discovery.
- D. By manually copying log files.

5. How does Grafana help visualize monitoring data ?

- A. By making coffee.
- B. It doesn't help with data visualization.
- C. Through customizable dashboards and charts.
- D. By sending alerts.

Interview/Certification Questions**20m****1. What is Grafana, and how does it complement Prometheus in monitoring ?****3. What is the main purpose of a monitoring system in a software environment ?****4. Can Prometheus monitor and collect data from non-containerized applications and services ?****5. How can Grafana enhance the monitoring of a Kubernetes cluster when used in conjunction with Prometheus ?****Article of the Week****10m**

- [Monitoring — Basics Of Prometheus, Grafana](#)

Video of the Week**10m**

- [Prometheus Tutorial | Monitoring with Prometheus And Grafana | Prometheus Grafana Tutorial](#)

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?

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-208: Jenkins Pipeline for Web Page Application \(Postgresql-Nodejs-React\) deployed on EC2's with Ansible and Docker](#)

Closing

5m

-Next week's plan

-QA Session

-Next week's plan

-QA Session
