

STUDENT VERSION (Week-29)



CLARUSWAY
WAY TO REINVENT YOURSELF

Meeting Agenda

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

Teamwork Schedule

Ice-breaking

10m

- 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

20m

1. By default, all manager nodes are also worker nodes and are capable of executing tasks when they have the resources available to do so. (Docker Swarm)

- A. True
- B. Flase

2. Which command is used to initialize Docker Swarm mode?

- A. docker swarm create
- B. docker init swarm
- C. docker swarm init
- D. docker swarm run

3. Replication Controller makes sure that a pod or a homogeneous set of pods is always up and available? (Kubernetes)

- A. True
- B. Flase

4. Which one is used to help restricting the service within the cluster? (Kubernetes)

- A. LoadBalancer
- B. NodePort
- C. ClusterIP
- D. kubectl

5. If you want to make radical changes to your team's project and don't want to impact the rest of the team, you should implement your change in _____. (Git)

- A. the root
- B. a tag
- C. the trunk
- D. None of the above

Interview/Certification Questions**20m****1. Your organization is planning to use AWS ECS for docker applications. However, they would like to apply 3rd party monitoring tools on the ECS instances. They approached you asking for a recommendation. What do you suggest?**

- A. AWS ECS is a managed service. Customers cannot install 3rd party softwares. Use CloudWatch for monitoring metrics.
- B. Customers will have control over AWS ECS instances and can setup monitoring like a normal EC2 instance.
- C. Raise a case with AWS to install 3rd party software on ECS. AWS will review the case and install if 3rd party software is in their trusted software entries.
- D. AWS ECS is a managed service. Customers cannot install 3rd party softwares. Use application level monitoring.

2. Which of the following are the parameters specified in task definition? (choose 3 options)

- A. The Docker images to use with the containers in your task.
- B. EC2 instance types to be used as container instances.
- C. How much CPU and memory to use with each container.
- D. AWS VPC and subnets to launch containers in.
- E. The command the container should run when it is started.

3. What is a pod in Kubernetes?**4. What is Kubectl?**

5. Do all of the nodes have to be the same size in your cluster? (kubernetes)**Video of the Week****10m**

- [Using CloudFormation Intrinsic Functions](#)

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?

Presentation of Coding Challenge**20m**

We assume that each group has two sub teams. If this is possible one of the sub teams will present the coding challenge of last week. The other sub team will present the solution to the previous problem of the week. If there is only one sub team then, the sub team will present both of the solutions.

Coding Challenge**5m**

- [Generate Password](#)

Presentation of Case Study of Previous Sprint**20m**

We assume that each group has two sub teams. Each week, one of the sub-teams will present their solution.

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: Docker Swarm Deployment of Phonebook Application \(Python Flask\) with MySQL](#)

Closing

5m

-Next week's plan

-QA Session
