

STUDENT VERSION (DevOps-Week-3)



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

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 this command used for? (Docker)

```
$ sudo docker run -i -t alpine /bin/bash
```

- A. to stop the docker container
- B. to see all running container in Docker
- C. to run the image as a container
- D. to copy the docker container

2. You can't create multiple containers from the same image?

- A. True
- B. False

3. How many containers can run per host?

- A. 1
- B. 100
- C. 947
- D. unlimited

4. What are the advantages of Jenkins?

- A. At integration stage, build failures are cached
- B. For each code commit changes an automatic build report notification generates
- C. To notify developers about build report success or failure, it is integrated with LDAP mail server
- D. All of the above

5. Which of the following commands runs Jenkins from the command line?

- A. java -jar jenkins.war
- B. java -war jenkins.jar
- C. java -jar jenkins.jar
- D. java -war jenkins.war

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. You have a set of Docker images that you use for building containers. You want to start using the Elastic Container Service and utilize the Docker images. You need a place to store these Docker images. What would you use for this purpose?

- A. Use AWS DynamoDB to store the Docker images.
- B. Use AWS RDS to store the Docker images.
- C. Use EC2 Instances with EBS Volumes to store the Docker images.
- D. Use the ECR Service to store the Docker images.

3. Which of the following are the parameters specified in task definition? (Amazon ECS) (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.

4. What is Maven? What is the benefit of integrating Maven with Jenkins?**5. What are the advantages of Jenkins?****Video of the Week****10m**

- [What is Continuous Integration?](#)

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: Fibonacci](#)

Case study/Project**10m**

- [Project-202: Phonebook Application \(Python Flask\) deployed on AWS Application Load Balancer with Auto Scaling and Relational Database Service using Terraform](#)

Closing**5m**

-Next week's plan

-QA Session
