

# STUDENT VERSION (DevOps-Week-3)

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CLARUSWAY  
WAY TO REINVENT YOURSELF

## Meeting Agenda

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

# Teamwork Schedule

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## 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

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