

STUDENT VERSION (DevOps-Week-2)



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. Which command is used to remove all the stopped containers, all the networks that are not used, all dangling images and all build caches?

- A. **docker system prune**
- B. docker login
- C. docker pull
- D. docker rm

2. Which file is used to define dependency in Maven?

- A. build.xml
- B. **pom.xml**
- C. dependency.xml
- D. version.xml

3. 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

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

- A. True
- B. **False**

5. How many containers can run per host?

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

Interview/Certification Questions

20m

1. What is difference between virtualization and containerization?

2. What are Docker Images?

3. Explain Docker Architecture?

4. Your company has a set of applications that make use of Docker containers. There is a need to move these containers to AWS. Which option below is the BEST way to set up these Docker containers in a separate AWS environment?

- A. Create EC2 Instances, install Docker, and then upload the containers.
- B. Create EC2 Container registries, install Docker, and then upload the containers.
- C. Create an Elastic Beanstalk environment with the necessary Docker containers.
- D. Create EBS Optimized EC2 Instances, install Docker, and then upload the containers..

5. A company is planning on setting up a web-based application. They need to ensure that users across the world have the ability to view the pages from the web site with the least amount of latency. How can you accomplish this?

- A. Use Route 53 with latency-based routing.
- B. Place a cloudfront distribution in front of the web application.
- C. Place an Elastic Load balancer in front of the web application .
- D. Place an Elastic Cache in front of the web application.

Video of the Week

10m

- [What Is Maven? | What Is Maven And How It Works?](#)

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: Trending Topic](#)

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
