STUDENT VERSION (Week-9)

TEAMWORK

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   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. 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

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

A. True
B. False

4. How many containers can run per host?

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

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

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

Interview/Certification Questions   20m

1. 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..

2. 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.

3. What are Docker Images?

Docker image is the source of Docker container. In other words, Docker images are used to create containers. When a user runs a Docker image, an instance of a container is created. These docker images can be deployed to any Docker environment. An image is a read-only template with instructions for creating a Docker container. Often, an image is based on another image, with some additional customization. For example, you may build an image which is based on the ubuntu image, but installs the Apache web server and your application, as well as the configuration details needed to make your application run.

4. Explain Docker Architecture?

https://docs.docker.com/get-started/overview/

5. What is the default Docker network driver, and how can you change it when running a Docker image?

Bridge (default).

docker run --dit --network alphine -net alphine ash

Video of the Week   5m

- [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: Create a "Rock, Paper, Scissors" Game](#)

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 Sprint (2 weeks) by the students. Students should work in small teams to complete the case study.

- [Project-201 : Dockerization of Bookstore Web API (Python Flask) with MySQL](#)

Closing   5m

-Next week's plan

-QA Session