

STUDENT VERSION (Week-8)



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 Git command downloads commits, files, and refs from a remote repository into your local repo, but it doesn't integrate any of this new data into your working files?

A. clone

The git fetch command downloads commits, files, and refs from a remote repository into your local repo.

B. pull

C. fetch

merge + fetch = pull

D. merge

E. push

2. What is the service provided by AWS that allows developers to easily deploy and manage applications on the cloud?

A. CloudFormation

B. Elastic Beanstalk

C. Route53

D. Container service

3. Containers include the application and all of its dependencies, but share the kernel with other containers. They run as an isolated process in userspace on the host operating system. They're also not tied to any specific infrastructure – Docker containers run on any computer, on any infrastructure, and in any cloud.

A. True

B. False

4. What command should you run to see all running container in Docker?

- A. docker run
- B. docker ps**
- C. docker --help
- D. docker build
- E. docker pull

5. Which of the following is not a state of Docker container?

- A. Running
- B. Freezed**
- C. Paused
- D. Restarting
- E. Exited

Interview/Certification Questions

20m

1. A company requires to deploy an existing Java-based application to AWS. Which of the following should be used to fulfill this requirement in the quickest way possible?

- A. Deploy to an S3 bucket and enable website hosting.
- B. Use the Elastic Beanstalk service to provision the environment.**
- C. Use EC2 with Auto Scaling for the environment.
- D. Use AMIs to build EC2 instances for deployment.

2. For which of the following scenarios should a Solutions Architect consider using ElasticBeanStalk? (Choose Two)

- A. A web application using Amazon RDS**
- B. An Enterprise Data Warehouse Redshift
- C. A long-running worker process Long temps.
- D. Capacity provisioning and load balancing of website**
- E. A management task run once on nightly basis

3. You are the architect of a custom application running inside your corporate data center. The application runs with some unresolved bugs that produce a lot of data inside custom log files generating time-consuming activities to the operation team who is responsible for analyzing them.

You want to move the application to AWS using EC2 instances, and at the same time, take the opportunity for improving logging and monitoring capabilities but without touching the application code.

What AWS service should you use to satisfy the requirement?

- A. AWS Kinesis Data Streams
- B. AWS CloudTrail
- C. AWS CloudWatch Logs
- D. AWS Application Logs

4. Your company currently has a set of EC2 Instances hosted in AWS. The states of these instances need to be **monitored and each state needs to be changed when a metric breaches a threshold value. Which step could be helpful to fulfill this requirement? (SELECT TWO)**

- A. Use CloudWatch logs to store the state change of the instances.
- B. Create an Amazon CloudWatch alarm that monitors an Amazon EC2 instance
- C. Use SQS to trigger a record to be added to a DynamoDB table.
- D. Use AWS Lambda to store a change record in a DynamoDB table.

5. What is difference between virtualization and containerization?

Video of the Week

5m

- [Containerization](#)

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: Find the Non-Repeated Values](#)

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-006 : Kittens Carousel Static Website deployed on AWS Cloudfront, S3 and Route 53 using Cloudformation](#)

Closing

5m

-Next week's plan

-QA Session
