STUDENT VERSION (DevOps-Week-8)

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   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. Replication Controller makes sure that a pod or a homogeneous set of pods is always up and available? (Kubernetes)

A. True
B. Flase

2. What are the two components Jenkins is mainly integrated with?

A. Version Control system like GIT,SVN
B. RDBS
C. Anaconda
D. Build tools like Apache Maven

3. You can remove a paused container from Docker.

A. True
B. False

4. What language is an Ansible playbooks are written

A. HTML
B. Python
C. YAML
D. JSON

5. Which of the following commands will merge branch-a into the master branch?

A. git checkout branch-a and git merge master
B. git clone branch-a and git merge master
C. git checkout master and git merge branch-a
D. git branch branch-a and git merge master

Interview/Certification Questions   20m

1. You lead a team to develop a new online game application in AWS EC2. The application will have a large number of users globally. For a great user experience, this application requires very low network latency and jitter. If the network speed is not fast enough, you will lose customers. Which tool would you choose to improve the application performance? (Select TWO.)

A. AWS VPN
B. AWS Global Accelerator
C. Direct Connect
D. API Gateway

2. Which of the following is a correct statement in relation to ECS instances when accessing Amazon ECS service endpoint? Choose 2 options.

A. Create an Interface VPC Endpoint for ECS service and attach to VPC subnet's route table in which ECS instances are running.
B. ECS instances are launched with ECS-optimized AMI which contains an inbuilt mechanism to communicate with ECS service endpoints through AWS network.
C. Create a NAT Gateway and attach it to VPC subnet's route table in which ECS instances are running.
D. AWS service endpoints are accessible internally across VPCs. You need to enable IAM role access on the service which needs to be accessed.

3. You are working for an organization which is actively using AWS. They have noticed that few AWS ECS clusters are running and they do not know who and when the clusters are created. They tasked you to find out the logs regarding this. What will you do?

A. Check CloudWatch event logs
B. Check CloudTrail logs.
C. Check CloudWatch metrics dashboard.
D. Check Trusted Advisor.

4. What is Ansible and what makes it stand out from the rest of the Configuration Management tools?

5. What is Ansible Galaxy?

Video of the Week 10m

- GitHub Workflow Strategies

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: Cloning a Remote Repository Using Ansible Playbook

Case study/Project 10m

Project 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-206 : Microservice Architecture for Phonebook Web Application (Python Flask) with MySQL using Kubernetes.

Closing 5m

-Next week's plan

-QA Session