STUDENT VERSION (DevOps-Week-3)

TEAMWORK

CLARUSWAY
WAY TO REINVENT YOURSELF

Meeting Agenda

- ▶ Icebreaking
- ▶ Microlearning
- ▶ Questions
- ▶ Interview/Certification Questions
- ▶ Coding Challenge
- ▶ Article of the week
- ▶ 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. You can't create multiple containers from the same image.

A. True
B. False

2. How many containers can run per host?

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

3. Which of the following is the native clustering for Docker?

A. Docker Hub
B. Docker Swarm
C. Kubernetes
D. Docker Compose

4. What happens if you attempt to perform a Docker build based on an image that has not been previously referenced on your machine? (Docker)

A. Docker will return a 408: image not found message.
B. Docker will return a 404: file not found message.
C. Docker will pull the image from GitHub.
D. Docker will pull the image from Docker Hub.

5. Where the docker volumes are stored?

A. /var/lib/docker/volumes
B. /ubuntu/user/docker/volumes
C. /docker/volumes
D. /desktop/volumes

Interview/Certification Questions 20m

1. What is Docker Compose? What can it be used for?

2. What is Docker Hub?

3. Your company is planning on hosting an application that will be based on Docker containers. They need to setup an orchestration service that would automatically scale based on the load. As much as possible , the company does not want the burden of managing the underlying infrastructure. Which of the following can assist in this scenario?

A. AWS ECS with service Auto Scaling
B. Use an Elastic Load Balancer in front of an EC2 Instance. Use Docker containers on the EC2 Instance.
C. Use Auto Scaling with Spot Instances for the Orchestration Service.
D. Install and use Kubernetes on the EC2 Instance

4. Which AWS services can be used to host and scale an application, in which the NGINX load balancer used? (SELECT TWO)

A. AWS EC2
B. AWS Elastic Beanstalk
C. AWS RDS.
D. AWS ELB

5. You are launching the AWS ECS instance. You would like to set the ECS container agent configuration during the ECS instance launch. What should you do?

A. Set configuration in the ECS metadata parameter during cluster creation.
B. Set configuration in the user data parameter of ECS instance.
C. Define configuration in the task definition.
D. Define configuration in the service definition.

Article of the Week 10m

- Automating Installation Of Kubernetes Cluster On AWS — Part 1

Video of the Week 10m

- Docker vs Kubernetes vs Docker Swarm | Comparison in 5 mins

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

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-203: Dockerization Bookstore-api on Python-flask-mysql

Closing 5m

-Next week's plan

-QA Session
