STUDENT VERSION (DevOps-Week-10)

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. Which of the following is a log integration system of Grafana?

A. Prometheus
B. Loki
C. MySQL
D. Graphite

2. How does Prometheus collect its metrics?

A. By scraping HTTP endpoints based on pull mechanism
B. By using service discovery
C. By adding custom code to set which metrics will be monitored
D. Metrics are set through a YAML configuration file

3. What are the default ports for Prometheus and Grafana?

A. Prometheus: **8080** Grafana: **3306**
B. Prometheus: **9000** Grafana: **3030**
C. Prometheus: **9090** Grafana: **3000**
D. Prometheus: **3306** Grafana: **9090**

4. What is an alternative to merging in git?

A. Forking
B. Pull request
C. Rebasing
D. cloning

5. A _____ is a copy of a repository.

A. fork
B. commit
C. pull
D. action

Interview/Certification Questions   20m

1. Which of the following is a serverless compute offering from AWS?

A. AWS EC2
B. AWS Lambda
C. AWS SNS
D. AWS Config
E. AWS SQS

2. Your company is currently hosting a heavy load application on its On-premise environment. The company has developed this application in-house. Consulting companies then use this application via API calls. You now need to consider moving this application to AWS. Which of the following services would best be suited in the architecture design, which would also help deliver a cost-effective solution? Choose 2 answers from the options given below.

A. AWS Lambda
B. AWS API Gateway
C. AWS Config
D. AWS EC2

3. You have an application developed in .NET. This applications works with the S3 buckets in a particular region. The application is hosted on an EC2 Instance. Which of the following should ideally be used to ensure that the EC2 Instance has the appropriate access to the S3 buckets?

A. AWS Users
B. AWS Groups

C. AWS IAM Roles
D. AWS IAM Policies

4. You are requested to expose your serverless application implemented with AWS Lambda to HTTP clients.(using HTTP Proxy)
Which of the following AWS services can you use to accomplish the task? (Select TWO)

A. AWS Elastic Load Balancing (ELB)
B. AWS Route53
C. AWS API Gateway
D. AWS Lightsail
E. AWS Elastic Beanstalk

5. An application currently allows users to upload files to an S3 bucket. You want to ensure that the file name for each uploaded file is stored in a DynamoDB table. How could this be achieved? (SELECT TWO)

A. Create an AWS Lambda function to insert the required entry for each uploaded file.
B. Use AWS CloudWatch to probe for any S3 event.
C. Add an event in S3 with notification send to Lambda.
D. Add the CloudWatch event to the DynamoDB table streams section.

Video of the Week   10m

- Grafana Explained in Under 5 Minutes

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: Hangman

Case study/Project   10m

There is no case study/project.

5 / 5

Closing   5m

-Next week's plan

-QA Session