STUDENT VERSION (Week-3)

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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 GIT command creates and changes to new branch?

A. git branch "branch name"
B. git checkout "branch name"
C. git checkout -b "branch name"
D. git branch -r

2. Which Linux command gives the number of lines, words and characters in the data?

A. cat
B. wc
C. tee
D. tr

3. By default, sort command reorders lines in ASCII collating sequence.

A. True
B. False

4. This command sends a request out and expects a response, indicating that both hosts are communicating.

A. tracert
B. ping
C. nslookup
D. ipconfig/renew

5. A _____ routing table contains information entered manually.

A. static
B. dynamic
C. hierarchical
D. none of the above

Interview/Certification Questions   20m

1. Which of the below AWS services allows you to increase the number of resources on the demand of the application or users?

A. AWS EC2
B. AWS Autoscaling
C. AWS ELB
D. AWS Inspector

2. Which of the following components effectively facilitate a user to set up AutoScaling on EC2 instances for a web-based application? Choose 3 correct Options:

A. Launch Configuration
B. Elastic Load Balancer
C. Lambda
D. AutoScaling Group
E. Elastic IP

3. An ELB instance is configured with the default HealthCheck and Response Timeout intervals as 30 seconds and 5 seconds respectively. How long will it take for an instance within a target group to be labelled as OutOfService, if it goes down a second after the latest HealthCheck?

A. 34 seconds
B. 30 seconds
C. 35 seconds
D. 4 seconds

4. You are working as an AWS Architect for a start-up company. They have a two-tier production website. Database servers are spread across multiple Availability Zones and are stateful.

You have configured Auto Scaling Group for these database servers with a minimum of 2 instances & maximum of 6 instances. During post-peak hours, you observe some data loss. Which feature needs to be configured additionally to avoid future data loss (and copy data before instance termination)?

A. Modify the cooldown period to complete custom actions before the Instance terminates.
B. Add lifecycle hooks to Auto Scaling group.
C. Customize Termination policy to complete data copy before termination.
D. Suspend Terminate process that will avoid data loss.

5. You are deploying an application on Amazon EC2 that must call AWS APIs. Which method would you use to securely pass the credentials to the application?

A. Pass API credentials to the instance using Instance userdata.
B. Store API credentials as an object in Amazon S3.
C. TEmbed the API credentials into your application.
D. Assign IAM roles to the EC2 Instances.

Video of the Week   5m

- Using CloudFormation Intrinsic Functions

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 Largest Number

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-001 : Roman Numerals Converter Application (Python Flask) deployed on AWS EC2 with Cloudformation

Closing   5m

-Next week's plan

-QA Session