STUDENT VERSION (Week-6)

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 changes an existing remote repository URL?

A. `git config --get remote.origin.url NEW_URL`
B. `git config --global user.email NEW_URL`
C. `git push -u origin master NEW_URL`
D. `git remote set-url origin NEW_URL`

2. What is boto3 used for?

A. It is used to communicate with a database.
B. It enables you to create, update, and delete AWS resources with your Python scripts.
C. It lets you deploy containers to clusters, meaning a network of virtual machines.
D. It helps automate the parts of software development related to building, testing, and deploying, facilitating continuous integration and continuous delivery.

3. Can a subnet span more than one AZ? (AWS VPC)

A. YES
B. NO

4. Amazon RDS DB snapshots and automated backups are stored in _____ .

A. Amazon RDS
B. Amazon S3

C. Amazon EFS
D. Amazon EBS Volume

5. What is Amazon Redshift?

A. relational database service in cloud
B. computing service in the cloud
C. data warehouse service in the cloud
D. non-relational database service in cloud

Interview/Certification Questions 20m

1. Which of the following helps you set up a logically isolated section of your AWS cloud?

A. AWS Subnets
B. AWS VPC
C. AWS Regions
D. AWS Availability Zones

2. Which statements regarding VPC Peering is accurate? Select TWO.

A. Two VPCs in different AWS Regions and under separate AWS Accounts can share traffic between each other.
B. In order for VPC Peering to work each VPC should have a public subnet.
C. In VPC Peering, it is possible for traffic from one VPC to traverse through a transit VPC in order to reach a third VPC.
D. Traffic between VPC peers in different AWS Regions is not encrypted by default.
E. VPC Peering can be used to replicate data to geographically distinct locations for fault-tolerance, disaster recovery and redundancy

3. Which of the following security features is associated with a Subnet in a VPC to protect against Incoming traffic requests?

A. AWS Inspector
B. Subnet Groups
C. Security Groups
D. Network ACL

4. Which of the following are the main functions of AWS Route 53? (SELECT THREE)

A. Register domain names
B. Route internet traffic to the resources for your domain

C. Load-balance traffic among individual AWS resource instances
D. Check the health of your resources
E. Auto Scale your resources

5. There is a website hosted in AWS that might get a lot of traffic over the next couple of weeks. If the application experiences a natural disaster at this time, what should be used to reduce potential disruption to users?

A. Use an ELB to divert traffic to an Infrastructure hosted in another region.

B. Use an ELB to divert traffic to an Infrastructure hosted in another AZ.

C. Use CloudFormation to create backup resources in another AZ.

D. Use Route53 to route requests to another instance in a different region

Video of the Week 5m

- What is a VPC? | AWS Training

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: Generate Password

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-002 : Milliseconds Converter Application (Python Flask) deployed on AWS Application Load Balancer with Auto Scaling Group using AWS Cloudformation

Closing 5m

-Next week’s plan

-QA Session
