TEAM LEAD 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`

Answer: *D*

2. To run the script, we should make it executable first by using _____.

A. chmod +x
B. chmod +r
C. chmod +w
D. chmod +rwx

Answer: *A*

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

A. YES
B. NO

Answer: *B*

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

A. Amazon RDS
B. Amazon S3
C. Amazon EFS
D. Amazon EBS Volume

Answer: *B*

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

Answer: *C*

Interview/Certification Questions 20m

1. A company is planning to migrate their existing on premise application to the AWS Cloud. The application currently runs on .Net and uses Microsoft SQL Server as the backend database. Your Company has some limitations as they don't have the developers currently to make recent changes to the code and also they don't have the Infrastructure team currently to manage the infrastructure on AWS. Which of the following data service would your Company choose on AWS for the best use?

A. AWS RDS
B. AWS DynamoDB
C. AWS Aurora
D. AWS Redshift

Answer: *A*

2. Which of the following are benefits of the AWS's Relational Database Service (RDS)? Choose the 2 correct answers from the options below

A. Automated patches and backups
B. DB owner can resize the capacity accordingly
C. It allows you to store unstructured data
D. It allows you to store NoSQL data

Answer: *A and B*

3. Your team had developed an online feedback application for the best image competition in AWS using CloudFormation. The application accepts high-quality images of each participant and stores them in S3 then records the information about the image as well as the participant's profile in RDS. After the competition, the CloudFormation stack is not used anymore and to save resources, the stack should be terminated to save the cost. Your manager instructed you to back up the RDS database and the S3 bucket so the data can still be used even after the CloudFormation template is deleted. Which of the following options will fulfill this requirement?

A. Set the DeletionPolicy for the RDS instance to snapshot and then enable S3 bucket replication on the source bucket to a destination bucket to maintain a copy of all the S3 objects.
B. Set the DeletionPolicy to retain on both the RDS and S3 resource types on the CloudFormation template.
C. Set the DeletionPolicy on the S3 bucket to snapshot
D. Set the DeletionPolicy on the RDS resource to snapshot and set the S3 bucket to retain.

Answer: *D*

4. A company wants to have a database hosted on AWS. As much as possible they want to have control over the database itself. Which of the following would be an ideal option for this?

A. Using the AWS DynamoDB service
B. Using the AWS RDS service
C. Hosting the database on an EC2 Instances
D. Using the Amazon Aurora service

Answer: *C*

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 Multi-AZ for the RDS instance to ensure that a secondary database is created in another region.

B. Use the Read Replica feature to create another instance of the DB in another region.

C. Use Multi-AZ for the RDS instance to ensure that a secondary database is created in another Availability Zone.

D. Use the Read Replica feature to create another instance of the DB in another Availability Zone.

Answer: *C*

Video of the Week 10m

- AWS DynamoDB Tutorial

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

Case study/Project 10m

- Project-004 : Phonebook Application (Python Flask) deployed on AWS Application Load Balancer with Auto Scaling and Relational Database Service using AWS Cloudformation

Closing 5m

-Next week's plan

-QA Session
