STUDENT VERSION (Week-14)

TEAMWORK

CLARUSWAY
WAY TO REINVENT YOURSELF

Meeting Agenda

▶ Icebreaking

▶ Questions

▶ Interview/Certification Questions

▶ Coding Challenge

▶ Video of the week

▶ Retro meeting

Teamwork Schedule

Ice-breaking   10m

- Personal Questions (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. What is AWS' serverless computing service?

A. AWS Serverless
B. AWS CloudFront
C. AWS Lambda
D. AWS API Gateway

2. What is the service provided by AWS that allows developers to easily deploy and manage applications on the cloud?

A. Cloudformation
B. Elastic Beanstalk
C. Route 53
D. Container Service

3. Using API Gateway, you can create SOAP APIs.

A. True
B. False

4. Which of the following are NOT valid origins for Amazon CloudFront?

A. Amazon S3 buckets
B. EC2 instance

C. AWS Lambda function
D. Elastic Load Balancer (ELB)

5. Which of the following components of the Cloudfront service can be used to distribute contents to users across the globe?

A. Amazon VPC
B. Amazon Regions
C. Amazon Availability Zones
D. Amazon Edge Locations

Interview/Certification Questions   20m

1. A professional educational institution maintains a dedicated web server and database cluster that hosts an exam results portal for modules undertaken by its students. The resource is idle for most of the learning cycle and becomes excessively busy when exam results are released. How can this architecture be improved to be cost-efficient?

A. Configure AWS elastic load-balancing between the webserver and database cluster
B. Configure RDS multi-availability zone for performance optimisation
C. Configure serverless architecture leveraging AWS Lambda functions
D. Migrate the web servers onto Amazon EC2 Spot Instances

2. Which of the following is the customer's responsibility with respect to the AWS Lambda service? (choose 2 options)

A. Lambda function code.
B. Monitoring and logging lambda functions.
C. Security patches.
D. Installing required libraries in underlying compute instances for Lambda execution.
E. Providing access to AWS resources that triggers a Lambda function.

3. You have built a REST API using API gateway and distributed to your customers. However, your API is receiving large number of requests and overloading your backend system causing performance bottlenecks and eventually causing delays and failures in serving the requests for your important customers. How would you improve the API performance? (Choose 2 options)

A. Enable throttling and control the number of requests per second.

B. Create a resource policy to allow access for specic customers during specic time period.

C. Enable API caching to serve frequently requested data from API cache.

D. Enable load balancer on your backend systems.

4. A company requires to deploy an existing Java-based application to AWS. Which of the following should be used to fulfill this requirement in the quickest way possible?

A. Deploy to an S3 bucket and enable website hosting.

B. Use the Elastic Beanstalk service to provision the environment.

C. Use EC2 with Auto Scaling for the environment.

D. Use AMIs to build EC2 instances for deployment

5. You are planning on deploying a video based application onto the AWS Cloud. These videos will be accessed by users across the world. Which of the below services can help stream the content in an efficient manner to the users across the globe?

A. Amazon Route 53.

B. Amazon Cloudtrail

C. Amazon CloudFront

D. Amazon S3

Video of the Week   5m

- AWS Lambda Tutorial

Coding Challenge   5m

- Coding Challenge: Validate Customers With Security Questions

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?

Closing   5m

-Next week's plan

-QA Session