STUDENT VERSION (Week-4)

TEAMWORK

CLARUSWAY
WAY TO REINVENT YOURSELF

Meeting Agenda

- ▶ Icebreaking
- ▶ Questions
- ▶ Interview/Certification Questions
- ▶ Coding Challenge
- ▶ Video of the week
- ▶ Case Study
- ▶ 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. Which Linux command gives the number of lines, words and characters in the data?

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

2. 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

3. Which of the following must be configured on an Elastic Load Balancing load balancer to accept incoming traffic?

A. A port
B. A network interface
C. A listener
D. An instance

4. What happens when the Elastic Load Balancing fails the health check? (Choose the best answer.)

A. The Elastic Load Balancing fails over to a different load balancer.
B. Elastic Load Balancing automatically reroutes traffic to healthy instances until the unhealthy instances have been restored.
C. The Elastic Load Balancing cuts off the traffic to that instance and starts a new instance.
D. The load balancer starts a bigger instance.

5. Which of the following are required elements of an Auto Scaling group? (Choose 2 answers)

A. Minimum size
B. Health checks
C. Desired capacity
D. Launch configuration

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. A cell phone company is running dynamic-content dynamic-content television commercials for a contest. They want their website to handle traffic spikes that come after a commercial airs. The website is interactive, offering personalized content to each visitor based on location, purchase history, and the current commercial airing. Which architecture will configure Auto Scaling to scale out to respond to spikes of demand, while minimizing costs during quiet periods?

A. Set the minimum size of the Auto Scaling group so that it can handle high traffic volumes without needing to scale out.
B. Create an Auto Scaling group large enough to handle peak traffic loads, and then stop some instances. Configure Auto Scaling to scale out when traffic increases using the stopped instances, so new capacity will come online quickly.
C. Configure Auto Scaling to scale out as traffic increases. Configure the launch configuration to start new instances from a preconfigured Amazon Machine Image (AMI).
D. Use Amazon CloudFront and Amazon Simple Storage Service (Amazon S3) to cache changing content, with the Auto Scaling group set as the origin. Configure Auto Scaling to have sufficient instances necessary to initially populate CloudFront and Amazon ElastiCache, and then scale in after the cache is fully populated.

4. Which of the following are characteristics of the Auto Scaling service on AWS? (Choose 2 answers)

A. Sends traffic to healthy instances
B. Responds to changing conditions by adding or terminating Amazon Elastic Compute Cloud (Amazon EC2) instances
C. Collects and tracks metrics and sets alarms
D. Delivers push notifications
E. Launches instances from a specified Amazon Machine Image (AMI)

5. You create an Auto Scaling group in a new region that is configured with a minimum size value of 10, a maximum size value of 100, and a desired capacity value of 50. However, you notice that 30 of the Amazon Elastic Compute Cloud (Amazon EC2) instances within the Auto Scaling group fail to launch. Which of the following is the cause of this behavior?

A. You cannot define an Auto Scaling group larger than 20.
B. The Auto Scaling group maximum value cannot be more than 20.
C. You did not attach an Elastic Load Balancing load balancer to the Auto Scaling group.
D. You have not raised your default Amazon EC2 capacity (20) for the new region.

Coding Challenge 5m

- Coding Challenge: Validate Combination of Brackets

Video of the Week 15m

- ASG Tutorial / Clarusway

Case study/Project 10m

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

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
