

# STUDENT VERSION (Week-4)

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CLARUSWAY  
WAY TO REINVENT YOURSELF

## Meeting Agenda

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- ▶ Icebreaking
- ▶ Questions
- ▶ Interview/Certification Questions
- ▶ Coding Challenge
- ▶ Video of the week
- ▶ Retro meeting

# Teamwork Schedule

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## 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 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. traceroute traces the route packets take from the source to the destination host shows the path taken and the time taken at each hop along the way.
- ☒ B. ping This command is used to test the reachability
- C. nslookup used for troubleshooting DNS-related issues
- D. ipconfig/renew manages network configuration on Windows systems to renew the IP

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

- A. A port used in conjunction with listeners to define where the traffic should be received.
- B. A network interface used for network connectivity.
- ☒ C. A listener a process that checks for connection requests. configured on the load balancer to listen on a specific port and protocol
- 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     *required elements*
- B. Health checks
- ☒ C. Desired capacity     *required elements*
- D. Launch configuration     *a prerequisite for creating an Auto Scaling group*

**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     *resizable compute but to resize it need autoscaling set up*
- ☒ B. AWS Autoscaling
- C. AWS ELB     *distributes incoming traffic across multiple EC2*
- D. AWS Inspector     *security assessment service*

**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     *It specifies details such as the Amazon Machine Image (AMI), instance type, security groups,*
- ☒ B. Elastic Load Balancer     *Distributes incoming application traffic*
- C. Lambda     *serverless computing service that runs code in response to events*
- ☒ D. AutoScaling Group     *adjusts the number of running instances based on demand*
- E. Elastic IP     *is a static, public IP address designed for dynamic cloud computing*

**3. A cell phone company is running 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. *Stopping instances introduces manual intervention, which isn't ideal for dynamic scaling.*
- 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) ✓

## Coding Challenge

5m

- [Coding Challenge: Validate Combination of Brackets](#)

## Video of the Week

15m

- [ASG Tutorial / Clarusway](#)

## 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

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