

STUDENT VERSION (Week-1)



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. Imagine that you have a local repository, but other team members have pushed changes into the remote repository. What Git operation would you use to download those changes into your working copy?

- A. checkout
- B. commit
- C. export
- ✓ D. pull
- E. update

2. What happens if the .git directory gets deleted?

3. Which piece of hardware would reduce the size of a broadcast domain?

- A. Hub
- ✓ B. Router
- C. Packet injector
- D. Switch

4. What is the purpose of the OSI model?

- A. Enable users to access the internet
- B. Improve the network performance by compressing data
- ✓ C. To provide a set of standards for manufacturers
- D. Make network devices such as a router, switch, hub communicate with each other

5. What will be the output?

```
$ find ./GFG -name sample.txt
```

- A. It will search for all files in GFG directory.
- B. It will create a directory named GFG and create sample.txt file in it.
- ✓ C. It will search for sample.txt in GFG directory.
- D. It will search for all files in GFG directory except named sample.txt.

Interview/Certification Questions**20m**

1. You are planning to serve a web application on the AWS Platform by using EC2 Instances. Which of the below principles would you adopt to ensure that even if some of the EC2 Instances crashes , you still have a working application.?

- A. Using a scalable system
- B. Using an elastic system
- C. Using a regional system
- ✓ D. Using a fault tolerant system

2. The company you work for is considering migrating to AWS. They are concerned about cost and the initial investment needed. Which of the following features of AWS pricing helps lower the initial investment amount needed? Choose 3 answers from the options given below:

- A. The ability to choose the lowest cost vendor
- ✓ B. The ability to pay as you go
- ✓ C. No upfront costs
- ✓ D. Discounts for upfront payments

3. What can developers now do with AWS CloudFormation that they could not before?

IaaS : Infrastructure as a Code

4. I have some private servers on my premises, also I have distributed some of my workload on the public cloud, what is this architecture called?

- A. Private Cloud
- ✓ B. Hybrid Cloud
- C. Public Cloud
- D. Virtual Private Cloud

5. A cloud solutions architect needs to execute urgent mission-critical tasks on the AWS Management console, but has left their Windows-based machine at home. What secure option can be used to administer these tasks on the cloud infrastructure given that only non-graphical user interface (non-GUI), Linux-based machines are readily available?

- A. Share the AWS Management console credentials with the person at home over the phone, so they can execute on the cloud solutions architect behalf
- B. Use third-party remote desktop software to access the Windows-based machine at home from the non-GUI workstations and administer the necessary tasks
- C. Use Secure Shell (SSH) to securely connect to the Windows-based machine from one of the non-GUI Linux-based machines then log onto the AWS Management console
- ✓ D. Install and run AWS CLI on one of the non-GUI Linux-based machines, in a shell environment such as bash, the cloud solutions architect can access ALL services just as they could from a Windows-based machine.

Video of the Week

5m

- [Static vs Dynamic Websites - What's the Difference?](#)

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: Convert to Roman Numerals](#)

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-101 : Kittens Carousel Static Website deployed on AWS EC2 using Cloudformation](#)

Closing

5m

-Next week's plan

-QA Session
