

STUDENT VERSION (DevOps-Week-9)



CLARUSWAY
WAY TO REINVENT YOURSELF

Meeting Agenda

- ▶ Icebreaking
- ▶ Questions
- ▶ Interview/Certification Questions
- ▶ Coding Challenge
- ▶ Article of the week
- ▶ Video of the week
- ▶ Retro meeting
- ▶ Case study / project

Teamwork Schedule

Ice-breaking

5m

- 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. Can we run Junits as a part of Jenkins job?

- A. True
- B. False

2. Which variable contains the directory which contains logs, jobs, users and other configurations of jenkins?

- A. HOME
- B. HOME_JENKINS
- C. JENKINS_HOME
- D. JENKINS

3. Declarative pipeline starts with which tag?

- A. node
- B. pipeline
- C. stage
- D. step

4. Which scripting language is used in Jenkins?

- A. bash
- B. python
- C. groovy
- D. perl

5. Which function is used in pipeline to get the secrets/credentials?

- A. withCredentials
- B. withData
- C. withSecret
- D. withPassword

Interview/Certification Questions**20m****1. Which of the following helps you set up a logically isolated section of your AWS cloud?**

- A. AWS Subnets
- B. AWS VPC
- C. AWS Regions
- D. AWS Availability Zones

2. Which statements regarding VPC Peering is accurate? Select TWO.

- A. Two VPCs in different AWS Regions and under separate AWS Accounts can share traffic between each other.
- B. In order for VPC Peering to work each VPC should have a public subnet.
- C. In VPC Peering, it is possible for traffic from one VPC to traverse through a transit VPC in order to reach a third VPC.
- D. Traffic between VPC peers in different AWS Regions is not encrypted by default.
- E. VPC Peering can be used to replicate data to geographically distinct locations for fault-tolerance, disaster recovery and redundancy

3. Which of the following security features is associated with a Subnet in a VPC to protect against Incoming traffic requests?

- A. AWS Inspector
- B. Subnet Groups
- C. Security Groups
- D. Network ACL

4. Which of the following are the main functions of AWS Route 53? (SELECT THREE)

- A.** Register domain names
- B.** Route internet traffic to the resources for your domain
- C.** Load-balance traffic among individual AWS resource instances
- D.** Check the health of your resources
- E.** Auto Scale your resources

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 an ELB to divert traffic to an Infrastructure hosted in another region.
- B.** Use an ELB to divert traffic to an Infrastructure hosted in another AZ.
- C.** Use CloudFormation to create backup resources in another AZ.
- D.** Use Route53 to route requests to another instance in a different region

Article of the Week**10m**

- [Top 5 Aws Jobs That You Can Apply](#)

Video of the Week**10m**

- [Continuous Deployment vs. Continuous Delivery](#)

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 - 09 : Convert Milliseconds into Hours, Minutes, and Seconds with Bash Scripting](#)

Case study/Project

10m

Case study should be explained to the students during the weekly meeting and has to be completed in one week by the students. Students should work in small teams to complete the case study.

- [Project-208: Jenkins Pipeline for Web Page Application \(Postgresql-Nodejs-React\) deployed on EC2's with Ansible and Docker](#)

Closing

5m

-Next week's plan

-QA Session
