STUDENT VERSION (DevOps-Week-5)

TEAMWORK

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. In which language Ansible modules are written?

A. Ruby
B. Java
C. Python
D. YAML

2. What language is an Ansible playbooks are written?

A. HTML
B. Python
C. YAML
D. JSON

3. Ansible uses agent/master architecture.

A. True
B. False

4. Which of the following has highest priority for Ansible configuration settings?

A. ansible.cfg *(in the current directory)*
B. .ansible.cfg *(in the home directory)*

C. ANSIBLE_CONFIG *(an environment variable)*

D. /etc/ansible/ansible.cfg

5. What is the following command do? (Ansible)

```
- name: _____
  yum:
    name: httpd
    state: absent
```

A. Install the nginx package

B. Remove the nginx package

C. Remove the Apache package

D. Install the Apache package

E. Update the Apache package

Interview/Certification Questions   20m

1. What are Ad-hoc commands?

2. What is "idempotency"?

3. You lead a team to develop a new online game application in AWS EC2. The application will have a large number of users globally. For a great user experience, this application requires very low network latency and jitter. If the network speed is not fast enough, you will lose customers. Which tool would you choose to improve the application performance? (Select TWO.)

A. AWS VPN

B. AWS Global Accelerator

C. Direct Connect

D. API Gateway

4. Which of the following is a correct statement in relation to ECS instances when accessing Amazon ECS service endpoint? Choose 2 options.

A. Create an Interface VPC Endpoint for ECS service and attach to VPC subnet's route table in which ECS instances are running.

B. ECS instances are launched with ECS-optimized AMI which contains an inbuilt mechanism to communicate with ECS service endpoints through AWS network.

C. Create a NAT Gateway and attach it to VPC subnet's route table in which ECS instances are running.

D. AWS service endpoints are accessible internally across VPCs. You need to enable IAM role access on the service which needs to be accessed.

5. You are working for an organization which is actively using AWS. They have noticed that few AWS ECS clusters are running and they do not know who and when the clusters are created. They tasked you to find out the logs regarding this. What will you do?

A. Check CloudWatch event logs
B. Check CloudTrail logs.
C. Check CloudWatch metrics dashboard.
D. Check Trusted Advisor.

Article of the Week   10m

- How to use s3 backend with a locking feature in Terraform to collaborate more efficiently? (easily and visually explained)

Video of the Week   10m

- What is Ansible?

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: Calculator

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-205: Jenkins Pipeline for Dockerized Phonebook Application (Python Flask & MySQL) Deployed on Docker Swarm

Closing   5m

-Next week's plan

-QA Session