STUDENT VERSION (Week-4)

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TEAMWORK

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. If you want to make radical changes to your team's project and don't want to impact the rest of the team, you should implement your change in _____. (Git)

A. the root
B. a tag
C. the trunk   Branch
D. None of the above

2. What are characteristics of Amazon S3? (Choose 2 answers from the options given below.)

A. S3 allows you to store objects of virtually unlimited size.
B. S3 allows you to store virtually unlimited amounts of data
C. S3 should be used to host a relational database.
D. Objects are directly accessible via a URL.

3. What is a shell script?

A. group of commands
B. a file containing special symbols
C. a file containing a series of commands
D. group of functions

4. To run the script, we should make it executable first by using _____.

A. chmod +x
B. chmod +r
C. chmod +w
D. chmod +rwx

5. Shell scripts need to be saved with an extension `.sh`

A. True
B. False

Interview/Certification Questions   20m

1. Which of the following default settings are incorrect for a newly created S3 bucket? (choose 2 options)

A. Encryption is not enabled.
B. Transfer Acceleration is enabled.
C. No bucket policy exists.
D. Versioning is enabled.

2. In Amazon S3, what is the difference between lifecycle policies and intelligent tiering?

A. Lifecycle policies are not dependent on access patterns as is the case with intelligent tiering, instead they are pre-configured with a transition rule.
B. Intelligent tiering is an object storage class which is not dependent on access patterns, it uses a pre-configured transition rule.
C. When transitioning objects into different storage classes, intelligent tiering is automatic whilst lifecycle policies have to be manually triggered.
D. Lifecycle policies cannot be configured to permanently delete objects from an S3 bucket whilst intelligent tiering can do so if versioning is turned on.

3. A company wants to utilize aws storage. For them low storage cost is paramount, the data is rarely retrieved, and data retrieval times of several hours are acceptable for them. What is the best storage option to use?

A. AWS Glacier
B. AWS S3 Reduced Redundancy Storage
C. EBS backed storage connected to EC2
D. AWS CloudFront

4. Which of the following can be attached to EC2 Instances to store data?

A. Amazon Glacier
B. Amazon EBS Volumes
C. Amazon EBS Snapshots
D. Amazon SQS

5. Development teams in your organization use S3 buckets to store log files for various applications hosted in AWS development environments. The developers intend to keep the logs for a month for troubleshooting purposes, and subsequently purge the logs.

Which feature should be used to enable this requirement?

A. Adding a bucket policy on the S3 bucket.
B. Configuring lifecycle configuration rules on the S3 bucket.
C. Creating an IAM policy for the S3 bucket.
D. Enabling CORS on the S3 bucket.

Video of the Week   5m

- [Top 7 Cloud Infrastructure Interview Questions](#)

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: Validate Combination of Brackets](#)

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

Closing   5m

-Next week's plan

-QA Session