STUDENT VERSION (Week-15)

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. What kind of a repository do you need if you need to connect to other repositories in order to obtain different binaries? (Nexus)

A. Proxy
B. Hosted
C. General
D. Dynamic

2. What is the main difference between an artifact repository manager and a version control system? (Nexus)

A. You store what you develop in a version control system and what you build in an artifact repository.
B. Artifact repository can only be used by 1 person whereas version control systems are for teams.
C. Artifact repositories give more memory for less price.
D. Version control systems are slower to obtain the code.

3. Which command is used to list of the resources in state in Terraform?

A. terraform state --list
B. terraform show list
C. terraform state list
D. terraform ls state

4. What is the name of the way to organize data to be easily queried and shown back to the Terraform user?

A. implicit variables
B. explicit variables
C. output variables
D. input variables

5. How can we delete a local git repository?

A. git rm --cached filename
B. git diff --staged
C. rm -rf .git
D. You can not delete a local repository

Interview/Certification Questions   20m

1. In a fully managed service such as Amazon Aurora, what are the implications of the Shared Responsibility Model?

A. Amazon is responsible for only the physical infrastructure on which the user's data resides.
B. Amazon is responsible for the RDS instances, the operating system updates, patching of software and its maintenance .
C. The user is responsible for the operating system updates, patching of software and its maintenance.
D. The user is responsible for the security of the EC2 instances on which the relational database resides

2. When designing a highly available architecture, what is the difference between vertical scaling (scaling up) and horizontal scaling (scaling out)?

A. Scaling up provides for high availability whilst scaling out brings fault-tolerance
B. Scaling out is not cost-effective compared to scaling up
C. Scaling up adds more resources to an instance, scaling out adds more instances
D. Autoscaling groups require scaling up whilst launch configurations use scaling out

3. Which of the following can be used to increase the fault tolerance of an application.

A. Deploying resources across multiple edge locations
B. Deploying resources across multiple VPC's
C. Deploying resources across multiple Availability Zones
D. Deploying resources across multiple AWS Accounts

4. Which of the following can be used as an additional layer of security to using a user name and password when logging into the AWS Console.

A. Multi-Factor Authentication (MFA)
B. Secondary password
C. Root access privileges
D. Secondary user name

5. Why is Amazon DynamoDB service best-suited for implementation in mobile, Internet of Things (IoT) and gaming applications?

A. DynamoDB is a fully-managed database instance with no infrastructure overheads
B. DynamoDB has a flexible data model and single-digit millisecond latency
C. Whilst in operation, DynamoDB instances are spread across at least three geographically distinct centers, AWS Regions
D. DynamoDB supports eventual and strongly consistent reads

Amazon DynamoDB is a NoSQL database service that delivers consistent, single-digit millisecond latency at any scale. DynamoDB lets you easily store and query device data so you can focus on building incredible new AWS IoT solutions.

Video of the Week   5m

- GitHub Professional Guides: Workflow Strategies

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

- Morse Translator

We assume that each group has two sub teams. Each week, one of the sub-teams will present their solution.

Closing   5m

-Next week's plan

-QA Session

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