STUDENT VERSION (DevOps-Week-8)

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. Which file is used to define dependency in Maven?

A. build.xml
B. pom.xml
C. dependency.xml
D. version.xml

2. Which of the following is the package manager for Kubernetes

A. yum
B. apt
C. helm
D. yarn

3. Which one is not a type of a repository you can have in Nexus Repository Manager?

A. Group
B. Hosted
C. Mixed
D. Proxy

4. What are the advantages of Jenkins?

A. At integration stage, build failures are cached

B. For each code commit changes an automatic build report notification generates

C. To notify developers about build report success or failure, it is integrated with LDAP mail server

D. All of the above

5. How can we setup Jenkins jobs?

A. Select new item from the menu

B. After that enter a name for the job and select free-style job

C. Then click OK to create new job in Jenkins

D. The next page enables you to configure your job

E. All of these

Interview/Certification Questions   20m

1. A company is planning to migrate their existing on premise application to the AWS Cloud. The application currently runs on .Net and uses Microsoft SQL Server as the backend database. Your Company has some limitations as they don't have the developers currently to make recent changes to the code and also they don't have the Infrastructure team currently to manage the infrastructure on AWS. Which of the following data service would your Company choose on AWS for the best use?

A. AWS RDS

B. AWS DynamoDB

C. AWS Aurora

D. AWS Redshift

2. Which of the following are benefits of the AWS's Relational Database Service (RDS)? Choose the 2 correct answers from the options below

A. Automated patches and backups

B. DB owner can resize the capacity accordingly

C. It allows you to store unstructured data

D. It allows you to store NoSQL data

3. Your team had developed an online feedback application for the best image competition in AWS using CloudFormation. The application accepts high-quality images of each participant and stores them in S3 then records the information about the image as well as the participant's profile in RDS. After the competition, the CloudFormation stack is not used anymore and to save resources, the stack should be terminated to save the cost. Your manager instructed you to back up the RDS database and the S3 bucket so the data can still be used even after the CloudFormation template is deleted. Which of the following options will fulfill this requirement?

A. Set the DeletionPolicy for the RDS instance to snapshot and then enable S3 bucket replication on the source bucket to a destination bucket to maintain a copy of all the S3 objects.

B. Set the DeletionPolicy to retain on both the RDS and S3 resource types on the CloudFormation template.

C. Set the DeletionPolicy on the S3 bucket to snapshot

D. Set the DeletionPolicy on the RDS resource to snapshot and set the S3 bucket to retain.

4. A company wants to have a database hosted on AWS. As much as possible they want to have control over the database itself. Which of the following would be an ideal option for this.

A. Using the AWS DynamoDB service

B. Using the AWS RDS service

C. Hosting the database on an EC2 Instance

D. Using the Amazon Aurora service

5. A database is being hosted using the Amazon RDS service. This database is to be made into a production database and is required to have high availability. Which of the following could be used to achieve this requirement?

A. Use Multi-AZ for the RDS instance to ensure that a secondary database is created in another region.

B. Use the Read Replica feature to create another instance of the DB in another region.

C. Use Multi-AZ for the RDS instance to ensure that a secondary database is created in another Availability Zone.

D. Use the Read Replica feature to create another instance of the DB in another Availability Zone.

Article of the Week   10m

- How To Create A Key Pair And Import To Another Region In AWS

Video of the Week   10m

- What is Continuous Integration?

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

- Add Numbers

Case study/Project   10m

- There is no project for this week.

Closing   5m

-Next week's plan

-QA Session