DevOps Program Group Presentations

SDA Campus

Problem Definition

ACME Inc. is looking to migrate their 3-Tier Web application to AWS Cloud. Their application consists of;

1. Presentation Layer - Has a codebase composed primarily of HTML, CSS and JS.
2. Application(Business Logic) Layer - The CodeBase is is written in Django(Python)
3. Data-tier(Database) Layer - A Relational Database (MySQL)

https://www.ibm.com/cloud/learn/three-tier-architecture

Problem Definition

NB: In addition to the solution for the various layers within the 3-Tier Application.

1. ACME Inc. will want to set automated **Backups of their databases**.

2. ACME Inc. will also want to send out **Automated Emails** to their clients when certain transactions are performed.

3. Due to the nature of their operations, ACME Inc. will generate a lot of **data(including images, videos and documents) which will be stored for retrieval** by the Application Layer. The data is stored such that any data older than 30 days can be archived.

Requirements

Your Team has been contracted to migrate this application to the Cloud. However before you get started on the deployment, ACME Inc. has asked that you give a presentation **comparing the various services that can be used to solve their problem** and **a highlight of the choice of service** to be used.

Presentation & Submission

1 hour Prep

There will be one hour to put together your presentation. Your slides should **not exceed 15 pages.**

7 mins presentations

It is not compulsory for everyone to speak, you can have **at least two and at most the whole team** present. Be particular about the time

5 mins Q & A

Fellow class members can ask questions based on your submission from each team.

Understanding

Note that this presentation is not graded, but to get an gauge your understanding of the various services that you have learnt over the weeks.

Yes! Go beyond

You are encouraged to go beyond the stated defined issues and if there are some areas you wish to talk on; *user management, IAC, Billing, etc* you are encouraged to talk on those as well.

Submission

After Presentation to the class, a member of the team should send a copy (PPT or Google Sheet Link) to *sda-devops@codingdojo.com* **and CC** all team members.

Questions?