**FSE2 JAVA AWS**

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**CASE STUDY**

**Learning Management System**

**Cloud Deployment details:**

1. **Created 3 EC2 Instances**
2. **Kafka Cluster(kafka)**
3. **Mongo DB Server(mongo-server)**
4. **To deploy services using Docker Compose(lms-services)**

* **Deployed Eureka, Spring Cloud Gateway, Kafka-Client, Admin-Command-Service and learning-management service to EC2**
* **Installed Docker and Docker Compose to EC2 instance and deployed all the services using docker-compose.yml**

1. **Created AWS RDS MySQL Database: lms**
2. **Created AWS API Gateway:** [**https://aa94n05nm8.execute-api.ap-south-1.amazonaws.com**](https://aa94n05nm8.execute-api.ap-south-1.amazonaws.com)
3. **Used API GATEWAY URL to serve services in Angular Application**
4. **Uploaded Angular Code to S3 Bucket and Made changes in bucket properties to serve as static website hosting:**

**WEB APP URL:** [Learning Management System (lmsystem-app.s3-website.ap-south-1.amazonaws.com)](http://lmsystem-app.s3-website.ap-south-1.amazonaws.com/home)