Monday, 5 August 2024 4:16 PM

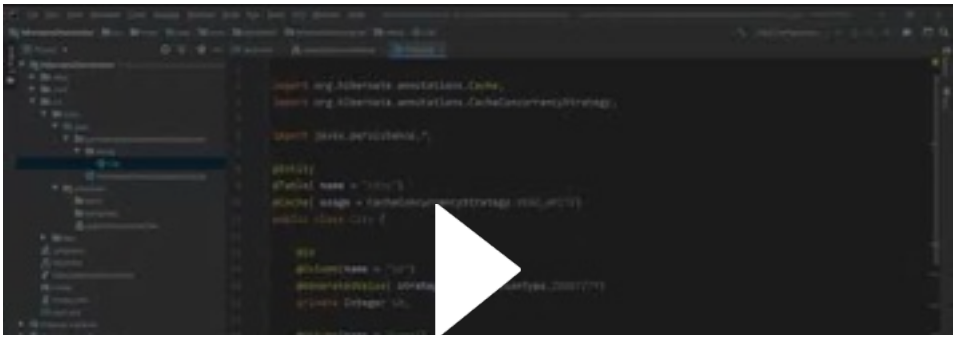
Technical Aspects

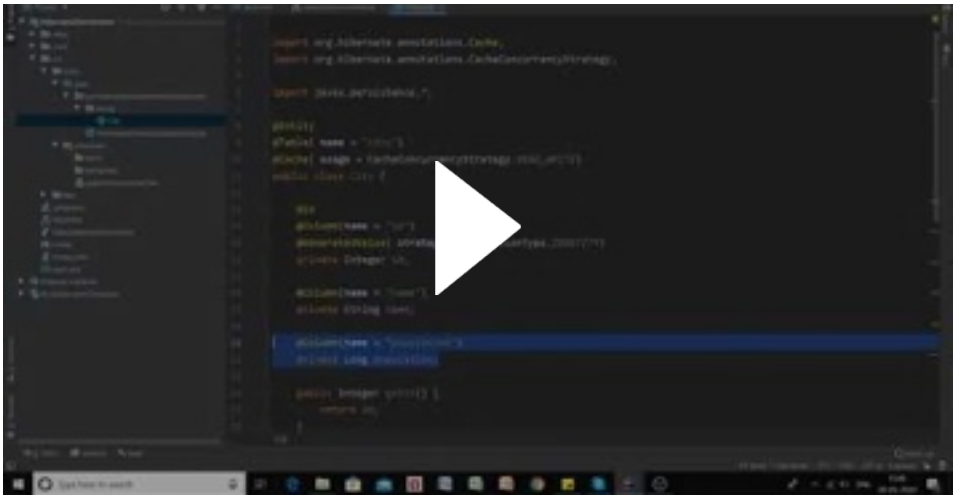
1. **Microservice Architecture:** Service deployed in Azure environment with containerizat
2. **Data Management:** Postgres DB for data storage and retrieval.
3. **Authorization and Authentication:** Azure Active Directory.
4. **Data Transfer:** Kafka connector for data transfer between databases.
5. **Notification System:** Microservice for handling notifications and sending automated e
6. **Logging**: Azure Log Analytics for capturing logs.
7. **API Security:** JWT token authorization.
8. **CI/CD Pipeline:** Jenkins with SonarQube for static testing

Monolith

1. Traditional unified architecture model will be followed.
2. User interface will be developed using Angular and back end will be developed on Spri
3. Postgres DB will be used store the data.
4. Application will be deployed on Unix or Windows machine or cloud platform depende availability.
5. Logging functionality will be implemented using log back.
6. Authorization and Authentication will be handled by adding the user from the admin t the required role and same will be authorized as soon as user logs in.
7. JWT token will be used for securing the API's.
8. Deployment will be done through the Jenkins.
9. With the current requirement there is no communication with the external system. In needs to be handle via Rest Template or web Template.

Spring Boot : Hibernate Second Level Cache using EhCache--- Hibernate second level cahce





https://github.com/wso2/reference-architecture/blob/master/reference-architecture-cell-based.md. === Cell based architecture
Cell Based Architecture for Early Stage SaaS

@Valid and Validator
@Preauthorize