

online course MICROSERVICES IN THE ENTERPRISE



YOUR ENTERPRISE TEAM WILL UNDERGO STRUCTURED LAB/LECTURE SESSIONS CONDUCTED ON-SITE OR ONLINE THROUGH GOOGLE HANGOUTS OR WEBEX.

Session One: Microservices Platform Introduction

- Microservices Reference Application
- Services Built as Spring Boot Applications
- Eureka Service Registry
- API Gateway
- Circuit Breaker
- Hystrix Circuit Breaker Dashboard
- Lab

Session Two: Anatomy of Microservices

- Session 1 Review
- Single Service Application Architecture
- Implemented as Spring Boot Java Application
- Spring Boot - Main Method
- Spring Boot - Configuration Properties
- Registering with Eureka
- Eureka Registry
- API Endpoint Implementation
- Service Implementation
- Repository Implementation
- Testing
- API Metrics
- Lab 1 / Lab 2
- Implement The User Story Model
- Implement Repository Data Access Object
- Implement the UserStory Service Class
- Implement a Mock Service
- Implement the API Endpoint Class
- Test

CONTACT KEYHOLE SOFTWARE FOR PRICING

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Session Three: Engaging a Microservice

- Session 2 Review
- Engaging the User Story Microservice
- API Gateway
- API Reverse Proxy Filter
- Authentication
- Token Authorization Service
- Current User Pattern
- Current User Pattern
- Circuit Breaker Applied
- Hystrix Dashboard
- API Versioning
- Discovering API Versions
- Lab
- Step Uncomment Code
- Hystrix Dashboard in Action

Session Four: Messaging and Domain-Bounded Contexts

- Session 3 Review
- Messaging Requirements
- Zookeeper/Kafka Messaging Solution
- Messaging Broker
- Message Durability
- Producing a Topic Message
- Consuming Messages
- Kafka Messaging Helper Implementation
- Messaging Use Case: Managing Foreign Keys
- Producing & Consuming the Delete Message

Session Five: Chaos

- Session 4 Review
- Introducing Chaos
- Trouble Maker
- Lab
- Course Summary

This course can function standalone or as part of the Microservices In Three Steps consulting package. Course is provided at a discount when paired with a block of Keyhole consulting hours and Microservices fundamentals presentation.

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