SPRING MICROSERVICES

ONLINE TRAINING

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About Microservices

Microservices is an **architectural style** which says **decompose** big applications into smaller services subsequently **communicate** those services either synchronously or asynchronously. The microservices projects are developed by using Spring Boot. The Spring Boot has been built on top of Spring Framework and provides Starters, Autoconfiguration, Embedded servers and Actuators features. These boot features help to reduce project code.

What Will You Learn?

- Spring Boot
- Spring Microservices
- Spring Cloud
- Spring Jpa
- Spring Data
- Spring Messaging
- Fat Jar with Embedded Server
- War with External Server

Pre-Requisites

- Spring Core
- Java Based Configuration
- Spring MVC
- Oracle DB
- Maven (optional)

Curriculum

- **SPRING BOOT**

Day 1: Starters	1 hour
Day 2: Auto Configuration	1 hour
Day 3: Embedded Servers	1 hour
Day 4: Actuators	1 hour
Day 5: Spring MVC with Boot	30 min

Day 5: @SpringBootTest 10 min

Day 5: @SpringBootApplication 10 min

Day 5: Spring-boot-admin 10 min

Day 6: Fat Jar with Embedded Server 30 min

Day 6: War with External Server 30 min

- **SPRING JPA**

Day 7: Introduction 10 min

Day 7: Local EntityManager FactoryBean 10 min

Day 7: Local Container EntityManager FactoryBean 10 min

Day 7: @PersistenceUnit 10 min

Day 7: EntityManager 10 min

Day 7: Application 10 min

- **SPRING DATA**

Day 8: CrudRepository 10 min

Day 8: JpaRepository 10 min

Day 8: DSL Grammer 10 min

Day 8: @Query 10 min

Day 8: Application 20 min

- **SPRING MICROSERVICES**

Day 9: Introduction 20 min

Day 9: Principles 10 min

Day 9: Characteristics 30 min

Day 10: Benefits 10 min

Day 10: Ecosystem 20 min

Day 10: Relationship with SOA 10 min

Day 10: Microservice usecases 10 min

Day 10: Microservices with boot 10 min

- **DESIGNING MICROSERVICES**

Day 11: Identifying Microservices boundaries	10 min
Day 11: Endpoints	10 min
Day 11: Synchronous Communication	10 min
Day 11: Asynchronous Communication	10 min
Day 11: Challenges of Microservices	10 min
Day 11: Microservices Capability model	10 min

- **MICROSERVICES CASESTUDY**

Day 12: Brownfield Airline Project	1 hour
Day 13: Brownfield Airline Project	1 hour
Day 14: Separate DB Schema	10 min
Day 14: REST Endpoints	10 min
Day 14: MESSAGING Endpoints	10 min
Day 14: Communication Styles	20 min
Day 14: RabbitMQ Server	10 min

- **SPRING CLOUD**

Day 15: Introduction	10 min
Day 15: Twelve Factor Principles	10 min
Day 15: Spring Config Server	40 min
Day 16: Spring Cloud Bus	1 hour
Day 17: Feign Rest client	20 min
Day 17: Ribbon Load Balancer	20 min
Day 17: Eureka Server Registry	20 min

- **SPRING MESSAGING**

Day 18: JMS / AMQP	10 min
Day 18: ActiveMQ / RabbitMQ	10 min

- **ENVIRONMENT**

Day 19: Spring Tool Suite (STS)	10 min
Day 19: Rabbit MQ Server	10 min

Day 19: Maven 10 min

Day 19: GIT 10 min

Day 19: Spring Boot 20 min

- **REALTIME PROJECT**

Day : Code Walk-through

- **INTERVIEW QUESTIONS**

Day : FAQs

Course Info

- **Hours** : 19 hours
- **Duration** : 3 weeks [6 days per week]
- **Slot** : 6AM-7AM | 7AM-8AM | 8AM-9AM
- **Mode** : LIVE Online Training
- **Join** : Goto Meeting
- **Demo** : Day-1 & Day-2
- **Downloads** : Materials, Workspace, etc.
- **Re Attend** : One time with-in 6 months.
- **Price** : 6,000 INR
- **Mail** : balaji@java2aspire.com
- **Contact** : 7799208899 / 9885407683