

Spring Boot and Microservices

Learn how to develop microservices using Spring Boot framework.

Category: Programming · Duration: 3 days

WHO IT IS FOR

- Java developers
- Software architects and senior developers
- Teams that want hands-on practice on real scenarios

This training program focuses on teaching participants how to design and build microservices using the Spring Boot framework. Participants will learn the fundamentals of microservices architecture, create RESTful APIs, implement service discovery, and handle service orchestration. By the end of this course, participants will have a strong understanding of Spring Boot and be able to develop scalable and efficient microservices.

Prerequisites

Basic knowledge of Java programming and web development.

Syllabus

- Introduction to Microservices
- Overview of Spring Boot
- Building RESTful APIs with Spring Boot
- Implementing Service Discovery
- Service Orchestration with Spring Cloud
- Securing Microservices
- Testing and Debugging Microservices
- Monitoring and Logging in Microservices
- Scaling and Load Balancing
- Continuous Integration and Deployment
- Managing Microservice Dependencies
- Circuit Breaker Pattern
- API Gateway
- Event-Driven Architecture
- Spring Cloud Config Server

- Distributed Tracing
- Microservices Persistence
- Integration Testing in Microservices
- Versioning and Compatibility in Microservices
- Microservices Best Practices and Patterns