



Introduction to the course

👉 Microservices Configuration - Overview



Introduction

Microservices architecture requires efficient configuration management to handle multiple services across different environments. This document provides a high-level overview of key concepts and best practices.



Key Topics

- **Microservices Configuration Goals**
- **Spring Boot Configuration Features**
 - `@Value` , `@ConfigurationProperties` , Actuator, Profiles, Environment Variables
- **Spring Cloud Config Server**
 - Centralized configuration management
- **Dynamic Configuration**
 - Real-time updates without redeployment
- **Best Practices & Patterns**
 - Secure, scalable, and maintainable configurations



Why It Matters

- Ensures **consistency** across environments
- Supports **externalized configurations** for flexibility
- Enables **dynamic updates** without service restarts

- Enhances **security** for sensitive configurations
- Simplifies **scalability** in distributed systems

Next Steps

- Explore **Spring Cloud Config** for centralized management
- Use **Spring Profiles** for environment-specific configurations
- Implement **Actuator Refresh** for dynamic updates
- Follow **best practices** for secure and scalable configuration handling

 **Stay Updated & Keep Learning!** 