1. Why Microservice:
   1. Since Micro Services architecture
      1. Makes applications easier to scale,
      2. Faster develop,
      3. Enable innovation and
      4. Accelerate time to market for new features.
2. Based on these advantages, many enterprise organizations are migrating from monolithic and SOA architecture to micro-services based architecture.
3. So much demand for developers and architect who knows and can build production grade micro-services inside web applications.
4. Microservice doesn’t mean just RESTful Web Service.

Actually, there is a lot of connected components in the architecture leveraging which an emprise achieves its desired goal.

What we will cover inside this course?

1. **Deep Dive on Microservices Architecture:** How it is different from monolithic and SOA architectures.
2. **Role of Spring Cloud, Cloud Native Apps:** What are the roles of Spring, Spring Boot and Spring Cloud in microservices and Cloud Native Apps.
3. **Eureka & Config Server:** Role of them in building microservices and cloud native apps.
4. **Resilience4J Patters**: How to make microservices more resilience by using Resilience4J Patterns.
5. **d**
   1. How to do routing configurations.
   2. How to handle cross-cutting concerns inside micro-services.
   3. How to do distributed tracing,
   4. log aggregation and
   5. Monitor.
6. Role of Docker in building production ready microservices applications.  
   How docker helps us in converting our microservices into images and how to run them as a container.
7. What the role of Kubernetes.  
   How it is going to help us in maintaining production grade micro-services applications using its container orchestration Framework.
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