**Zipkin Container**

Mainly used for distributed tracing

1. For every services add below dependencies in each of pom.xml and config in application.properties

<dependency>

<groupId>io.micrometer</groupId>

<artifactId>micrometer-observation</artifactId>

</dependency>

<!-- OPTION 1: Open Telemetry as Bridge (RECOMMENDED) -->

<!-- Open Telemetry

- Simplified Observability (metrics, logs, and traces) -->

<dependency>

<groupId>io.micrometer</groupId>

<artifactId>micrometer-tracing-bridge-otel</artifactId>

</dependency>

<dependency>

<groupId>io.opentelemetry</groupId>

<artifactId>opentelemetry-exporter-zipkin</artifactId>

</dependency>

Application.properties

eureka.instance.preferIpAddress=true

management.tracing.sampling.probability=1.0

logging.pattern.level=%5p [${spring.application.name:},%X{traceId:-},%X{spanId:-}]

2)

In CurrencyConversionService we use feign client so add below dependency it it  
<!-- COMMON CHANGES + -->

<!-- Enables tracing of REST API calls made using Feign - V3 ONLY-->

<dependency>

<groupId>io.github.openfeign</groupId>

<artifactId>feign-micrometer</artifactId>

</dependency>

3)Eureka use Current HostName   
 eureka.instance.hostname=localhost