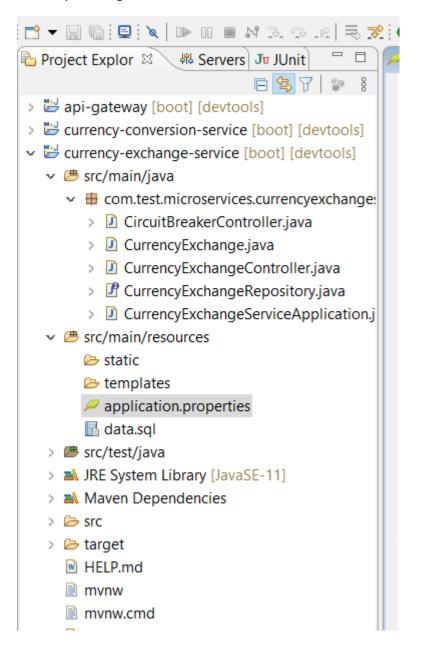
Currency exchange



```
papplication.properties  acurrency-exchange-service/pom.xml
 1 ##application file for currency exchange service
 3 spring.application.name=currency-exchange
 4 server.port=8000
 5 spring.config.import=optional:configserver:http://localhost:8888
 6 #spring.config.import=optional:configserver:
 8 #spring.cloud.config.enabled=false
10 spring.jpa.show-sql=true
11 spring.datasource.url=jdbc:h2:mem:testdb
12 #spring.datasource.url=jdbc:h2:mem:testdb;DB_CLOSE_ON_EXIT=FALSE
13 spring.h2.console.enabled=true
14 ##If the spring tries to load the data in the table before creation of the table (To change it we need to defe
15 spring.jpa.defer-datasource-initialization=true
17 #incase the app is not registered as client with Eureka
18 eureka.client.serviceUrl.defaultZone=http://localhost:8761/eureka
19
20 #circuit breaker retry #NEW
21 resilience4j.retry.instances.sample-api.maxAttempts=5
22 #resilience4j.retry.instances.sample-api.max-attempts=5
23 resilience4j.retry.instances.sample-api.wait-duration=2s
24 resilience4j.retry.instances.sample-api.enable-exponential-backoff=true
26 #resilience4j.ratelimiter.instances.default.limit-for-period=2
27 #resilience4j.ratelimiter.instances.default.limit-refresh-period=10s
29 spring.sleuth.sampler.probability=1.0
30
31
```

Pom

```
papplication.properties currency-exchange-service/pom.xml
 22⊖
         <dependencies>
 23
         <!--
 249
             <dependency>
 25
                 <groupId>org.springframework.boot
 26
                 <artifactId>spring-boot-starter-actuator</artifactId>
 27
             </dependency>
 28⊝
             <dependency>
 29
                 <groupId>org.springframework.boot</groupId>
 30
                 <artifactId>spring-boot-starter-web</artifactId>
 31
             </dependency>
 32
 33⊝
             <dependency>
 34
                 <groupId>org.springframework.boot</groupId>
 35
                 <artifactId>spring-boot-starter-data-jpa</artifactId>
 36
             </dependency>
 37⊜
             <dependency>
 38
                 <groupId>com.h2database
                 <artifactId>h2</artifactId>
 39
 40
             </dependency>
 41⊖
 42
                 <groupId>org.springframework.cloud</groupId>
 43
                 <artifactId>spring-cloud-starter-config</artifactId>
 44
             </dependency>
 45⊜
             <dependency>
 46
                 <groupId>org.springframework.cloud
 47
                 <artifactId>spring-cloud-starter-sleuth</artifactId>
 48
             </dependency>
 49⊜
             <dependency>
 50
                 <groupId>org.springframework.cloud
 51
                 <artifactId>spring-cloud-sleuth-zipkin</artifactId>
 52
             </dependency>
Overview Dependencies Dependency Hierarchy Effective POM pom.xml
                                                                   Carra lanca
```

```
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application.properties 🖟 currency-exchange-service/pom.xml 🖂
 52
             </dependency>
             <dependency>
 53⊜
 54
                  <groupId>org.springframework.amqp
 55
                  <artifactId>spring-rabbit</artifactId>
 56
             </dependency>
 57
 589
             <dependency>
 59
                  <groupId>org.springframework.cloud</groupId>
 60
                  <artifactId>spring-cloud-starter-netflix-eureka-client</artifactId>
  61
              </dependency>
 62
 63⊜
             <dependency>
 64
                  <groupId>org.springframework.boot</groupId>
 65
                  <artifactId>spring-boot-starter-aop</artifactId>
 66
              </dependency>
 67⊜
             <dependency>
 68
                  <groupId>io.github.resilience4j</groupId>
                  <artifactId>resilience4j-spring-boot2</artifactId>
 69
 70
             </dependency>
 71
 72⊖
             <dependency>
 73
                  <groupId>org.springframework.boot</groupId>
 74
                  <artifactId>spring-boot-devtools</artifactId>
 75
                  <scope>runtime</scope>
 76
                  <optional>true</optional>
 77
              </dependency>
 78⊜
             <dependency>
 79
                  <groupId>org.springframework.boot
 80
                  <artifactId>spring-boot-starter-test</artifactId>
 81
                  <scope>test</scope>
 82
             </dependency>
.º.| ¬> .₩.; •● ; .∅ ; .∅ ; †* ▼ •● ▼ •▲ ▼ •▲ ▼ •■ ▼ ¬ ▼ ; 👺 •⊖ /◊ ▼ ; ½| ▼ †| ▼ •□ ▼ □ ▼ | 🛅
 application.properties 📓 currency-exchange-service/pom.xml 🗵
   79
                     <groupId>org.springframework.boot</groupId>
   80
                     <artifactId>spring-boot-starter-test</artifactId>
   81
                     <scope>test</scope>
   82
                </dependency>
   83
   84
            </dependencies>
   85⊜
            <dependencyManagement>
   86
                <dependencies>
   87∈
                     <dependency>
```

```
88
                    <groupId>org.springframework.cloud
 89
                    <artifactId>spring-cloud-dependencies</artifactId>
 90
                    <version>${spring-cloud.version}</version>
 91
                    <type>pom</type>
 92
                    <scope>import</scope>
 93
                </dependency>
 94
            </dependencies>
 95
        </dependencyManagement>
 96
 97⊜
        <build>
 98⊜
            <plugins>
 99⊜
100
                    <groupId>org.springframework.boot</groupId>
                    <artifactId>spring-boot-maven-plugin</artifactId>
101
                    <configuration>
1029
103⊜
                        <image>
104⊜
                            <name>
105
                                 chaitanya510/ms.v1-${project.artifactId}:${project.version}
106
107
                        </image>
                        <pullPolicy>IF NOT PRESENT</pullPolicy>
108
109
                    </configuration>
```

```
Connection profile

Type:

| insert into currency_exchange |
| (id,currency_from,currency_to,conversion_multiple,environment) |
| values(10001, 'USD', 'INR',65,''); |
| insert into currency_exchange |
| (id,currency_from,currency_to,conversion_multiple,environment) |
| values(10002, 'EUR', 'INR',75,''); |
| insert into currency_exchange |
| (id,currency_from,currency_to,conversion_multiple,environment) |
| values(10003, 'AUD', 'INR',25,''); |
```