## **Circuit Breaker Pattern Config**

1. Add following dependency in Gateway Server

```
groupId : org.springframework.cloud
artifactId: spring-cloud-starter-circuitbreaker-reactor-resilience4j
```

2. Update the routing configuration to add new filter in gateway server as follow –

.uri("lb://ACCOUNTS").build()

3. Add following properties in the application.yml file of gateway server –

```
resilience4J.circuitbreaker.config.default.slidingWindowSize = 10
resilience4J.circuitbreaker.config.default.permittedNumberOfCallsInHalfOpen
State = 2
resilience4J.circuitbreaker.config.default.failureRateThreshold = 50
resilience4J.circuitbreaker.config.default.waitDurationInOpenState = 10000
```

- 4. Verify -
  - Setup a breakpoint in Accounts CREATE microservice and do not release it.
  - Try to make account CREATE API Call from postman.
  - Check the circuit breaker actuator link –
     http://localhost:8072/actuator/circuitbreakerevents?name=accountsCircuit
     Breaker
  - Try to make multiple account CREATE API Call from postman and verify the result.