**Circuit Breaker Pattern Config**

1. Add following dependency in Gateway Server

groupId : org.springframework.cloud

artifactId: spring-cloud-starter-circuitbreaker-reactor-resilience4j

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

routeLocatorBuilder.routes()

.route(p -> p

.path(“/synergybank/accounts/\*\*”)

.filters(f -> f.rewritePath(“/synergybank/accounts/(?<segment>.\*)”, “/${segment}”)

.circuitBreaker(config -> config.setName(“accountsCircuitBreaker”)))

.uri(“lb://ACCOUNTS”).build()

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

resilience4J.circuitbreaker.config.default.slidingWindowSize = 10

resilience4J.circuitbreaker.config.default.permittedNumberOfCallsInHalfOpenState = 2

resilience4J.circuitbreaker.config.default.failureRateThreshold = 50

resilience4J.circuitbreaker.config.default.waitDurationInOpenState = 10000

1. 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=accountsCircuitBreaker>
* Try to make multiple account CREATE API Call from postman and verify the result.