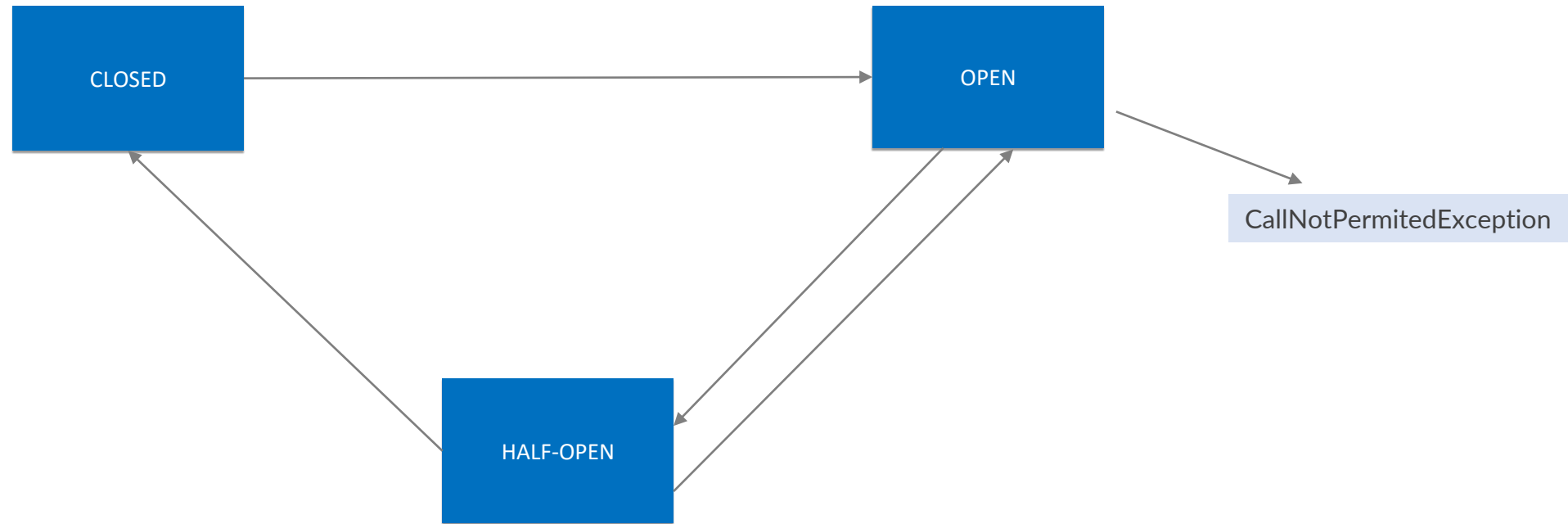




Circuit Breaker Pattern

Circuit Breaker Pattern

Implementação de um 'disjuntor' o qual passa para o estado aberto quando detecta um número limite de falhas e assim impede novas e sucessivas chamadas ao serviço que apresenta falhas ou lentidão no momento.



Type of Circuit Breaker: Count

Limit: 25 calls

Failure Rate : 70%

Type of Circuit Breaker: Time

Limit: 50 s

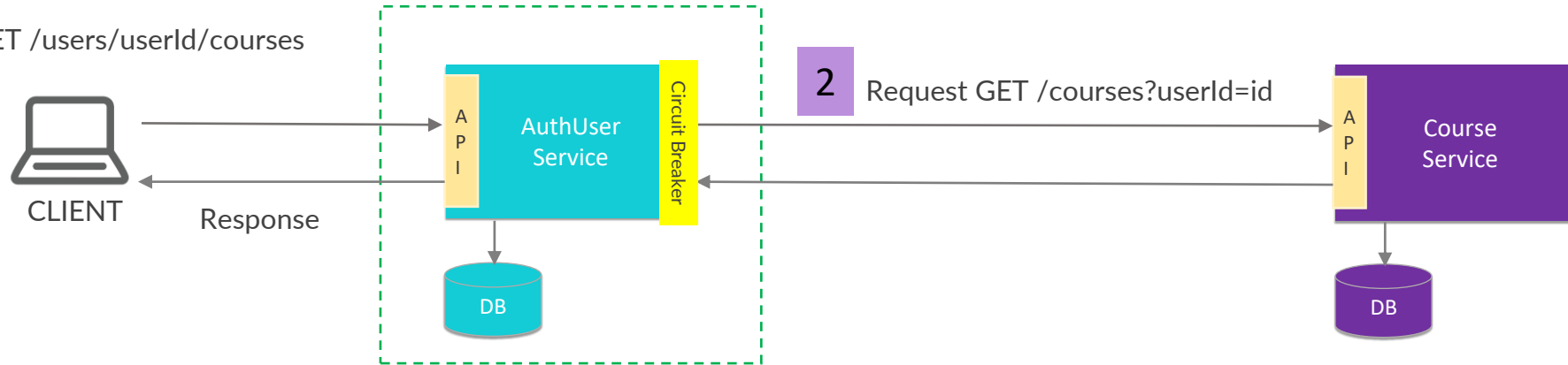
Failure Rate : 80%

Circuit Breaker Pattern - Time-based

```
slidingWindowSize: 50  
permittedNumberOfCallsInHalfOpenState: 3  
slidingWindowType: TIME_BASED  
minimumNumberOfCalls: 20  
waitDurationInOpenState: 50s  
failureRateThreshold: 80
```

API Composition with Circuit Breaker

1 Request GET /users/userId/courses



2 Request GET /courses?userId=id

1 GET ☐ http://localhost:8087/users/ed235441-89e3-4de5-87af-0cfb2ac8a9d8/courses

2 GET ☐ http://localhost:8082/courses?userId=287ba167-44c9-4670-8dda-0404e0ff60db