si es primera vez, hacer:

git clone https://github.com/luitoz/curso-microservicios.git

|  |  |
| --- | --- |
| 1 | Bajar fuentes  git pull  verificar que se hayan creado los objetos en  curso-microservicios/sesion4 |
| 2 | construir imagenes docker  cd demo-hystrix  mvn clean package docker:build |
| 3 | iniciar contenedores  docker-compose -f docker/common/docker-compose.yml up |
| 5 | Ejecutar varias veces y verificar   * http://localhost:8080/v1/organizations/e254f8c-c442-4ebe-a82a-e2fc1d1ff78a/licenses/ * http://localhost:8080/v1/organizations/e254f8c-c442-4ebe-a82a-e2fc1d1ff78a/licenses/f3831f8c-c338-4ebe-a82a-e2fc1d1ff78a |
| 6 | Agregar fallback  Modificar   * licensing-service/src/main/java/com/thoughtmechanix/licenses/services/LicenseService.java   descomentar fallbackMethod |
| 7 | Desplegar cambios a licensing  mvn clean package docker:build -f licensing-service/pom.xml  docker-compose -f docker/common/docker-compose.yml up licensingservice |
| 8 | Ejecutar varias veces y verificar  http://localhost:8080/v1/organizations/e254f8c-c442-4ebe-a82a-e2fc1d1ff78a/licenses/ |
| 9 | aplicar bulkhead  Modificar   * licensing-service/src/main/java/com/thoughtmechanix/licenses/services/LicenseService.java   Crear bulkead en método getLicensesByOrg |
| 10 | Desplegar cambios a licensing  mvn clean package docker:build -f licensing-service/pom.xml  docker-compose -f docker/common/docker-compose.yml up licensingservice |
| 11 | Ejecutar varias veces y verificar.  Invoca remotamente a base de datos  http://localhost:8080/v1/organizations/e254f8c-c442-4ebe-a82a-e2fc1d1ff78a/licenses/  invoca remotamente a organization  http://localhost:8080/v1/organizations/e254f8c-c442-4ebe-a82a-e2fc1d1ff78a/licenses/f3831f8c-c338-4ebe-a82a-e2fc1d1ff78a |

# Labo Ruteos

|  |  |
| --- | --- |
|  | sesion4/demo-zuul |
|  | zuulsvr |
| 1 | construir imagenes  cd sesion4  mvn clean package docker:build |
| 2 | ejecutar servicios  docker-compose -f docker/common/docker-compose.yml up |
| 3 | ver ruteos por defecto  get http://localhost:5555/routes |
| 4 | probar ruteos automaticos   * http://localhost:5555/**organizationservice**/v1/organizations/e254f8c-c442-4ebe-a82a-e2fc1d1ff78a * http://localhost:5555/**licensingservice**/v1/organizations/e254f8c-c442-4ebe-a82a-e2fc1d1ff78a/licenses/f3831f8c-c338-4ebe-a82a-e2fc1d1ff78a |
| 5 | mapear manualmente  modificar   * zuulsvr/src/main/resources/application.yml   agregar  ...  zuul:  ignored-services: 'configserver, organizationservice'  routes:  organizationservice: /organization/\*\*  ... |
| 6 | desplegar cambios zuul. en nueva terminal ejecutar  mvn clean package docker:build -f zuulsvr/pom.xml  docker-compose -f docker/common/docker-compose.yml up zuulserver |
| 7 | ver ruteos y probar  get http://localhost:5555/routes  get http://localhost:5555/organization/v1/organizations/e254f8c-c442-4ebe-a82a-e2fc1d1ff78a  get http://localhost:5555/licensingservice/v1/organizations/e254f8c-c442-4ebe-a82a-e2fc1d1ff78a/licenses/f3831f8c-c338-4ebe-a82a-e2fc1d1ff78a |
|  |  |
| 8 | usar prefix  modificar   * zuulsvr/src/main/resources/application.yml   usar la config  ...  zuul:  ignored-services: '\*'  prefix: /api  routes:  organizationservice: /organization/\*\*  licensingservice: /licensing/\*\*  staticservice:  path: /static/\*\*  url: https://jsonplaceholder.typicode.com/todos/  ... |
| 9 | desplegar cambios  mvn clean package docker:build -f zuulsvr/pom.xml  docker-compose -f docker/common/docker-compose.yml up zuulserver |
| 10 | ver ruteos y probar  get http://localhost:5555/routes  http://localhost:5555/api/organization/v1/organizations/e254f8c-c442-4ebe-a82a-e2fc1d1ff78a  http://localhost:5555/api/licensing/v1/organizations/e254f8c-c442-4ebe-a82a-e2fc1d1ff78a/licenses/f3831f8c-c338-4ebe-a82a-e2fc1d1ff78a |
| 11 | usar static routes |
| 12 | ver ruteos  get http://localhost:5555/routes |
| 13 | probar api externo  get http://localhost:5555/api/static/1 |
| 14 | para balancear urls estaticas con ribbon se haria  zuul:  ignored-services: '\*'  prefix: /api  routes:  organizationservice: /organization/\*\*  licensingservice: /licensing/\*\*  staticservice:  path: /static/\*\*  #1  serviceId: static-service  #2  static-service:  ribbon:  NIWSServerListClassName: com.netflix.loadbalancer.ConfigurationBasedServerList  listOfServers: https://example1.com,http://example2.com  ConnectTimeout: 1000  ReadTimeout: 3000  MaxTotalHttpConnections: 500  MaxConnectionsPerHost: 100 |

# Labo Filters

|  |  |
| --- | --- |
|  | curso-microservicios/sesion4/demo-zuulfilters |
|  | zuulsvr/ |
| 1 | desplegar servicios  mvn clean package docker:build  docker-compose -f docker/common/docker-compose.yml up |
| 2 | verificar creacion de correlation  http://localhost:5555/api/licensing/v1/organizations/e254f8c-c442-4ebe-a82a-e2fc1d1ff78a/licenses/f3831f8c-c338-4ebe-a82a-e2fc1d1ff78a |
|  | Licensing-service |
| 3 | Desplegar cambios en licensing. nueva terminal  mvn clean package docker:build -f licensing-service/pom.xml  docker-compose -f docker/common/docker-compose.yml up licensingservice |
| 4 | verificar propagacion de correlation  http://localhost:5555/api/licensing/v1/organizations/e254f8c-c442-4ebe-a82a-e2fc1d1ff78a/licenses/f3831f8c-c338-4ebe-a82a-e2fc1d1ff78a |

|  |  |
| --- | --- |
| 5 | implementar cambios para propagar correlation en organization  agregar   * organization-service/src/main/java/com/thoughtmechanix/organization/utils/UserContext.java * organization-service/src/main/java/com/thoughtmechanix/organization/utils/UserContextFilter.java * organization-service/src/main/java/com/thoughtmechanix/organization/utils/UserContextHolder.java * organization-service/src/main/java/com/thoughtmechanix/organization/utils/UserContextInterceptor.java   modificar   * organization-service/src/main/resources/application.yml * agregar logging   ...  #Setting the logging levels for the service  logging:  level:  com.netflix: WARN  org.springframework.web: WARN  com.thoughtmechanix: DEBUG  ... |
| 6 | deplegar organization  mvn clean package docker:build -f organization-service/pom.xml  docker-compose -f docker/common/docker-compose.yml up organizationservice |
| 7 | verificar propagacion de correlation  http://localhost:5555/api/licensing/v1/organizations/e254f8c-c442-4ebe-a82a-e2fc1d1ff78a/licenses/f3831f8c-c338-4ebe-a82a-e2fc1d1ff78a |
| 8 | Postfilter para devolver correlation en la respuesta |
| 9 | verificar correlation en la respuesta  http://localhost:5555/api/licensing/v1/organizations/e254f8c-c442-4ebe-a82a-e2fc1d1ff78a/licenses/f3831f8c-c338-4ebe-a82a-e2fc1d1ff78a |