

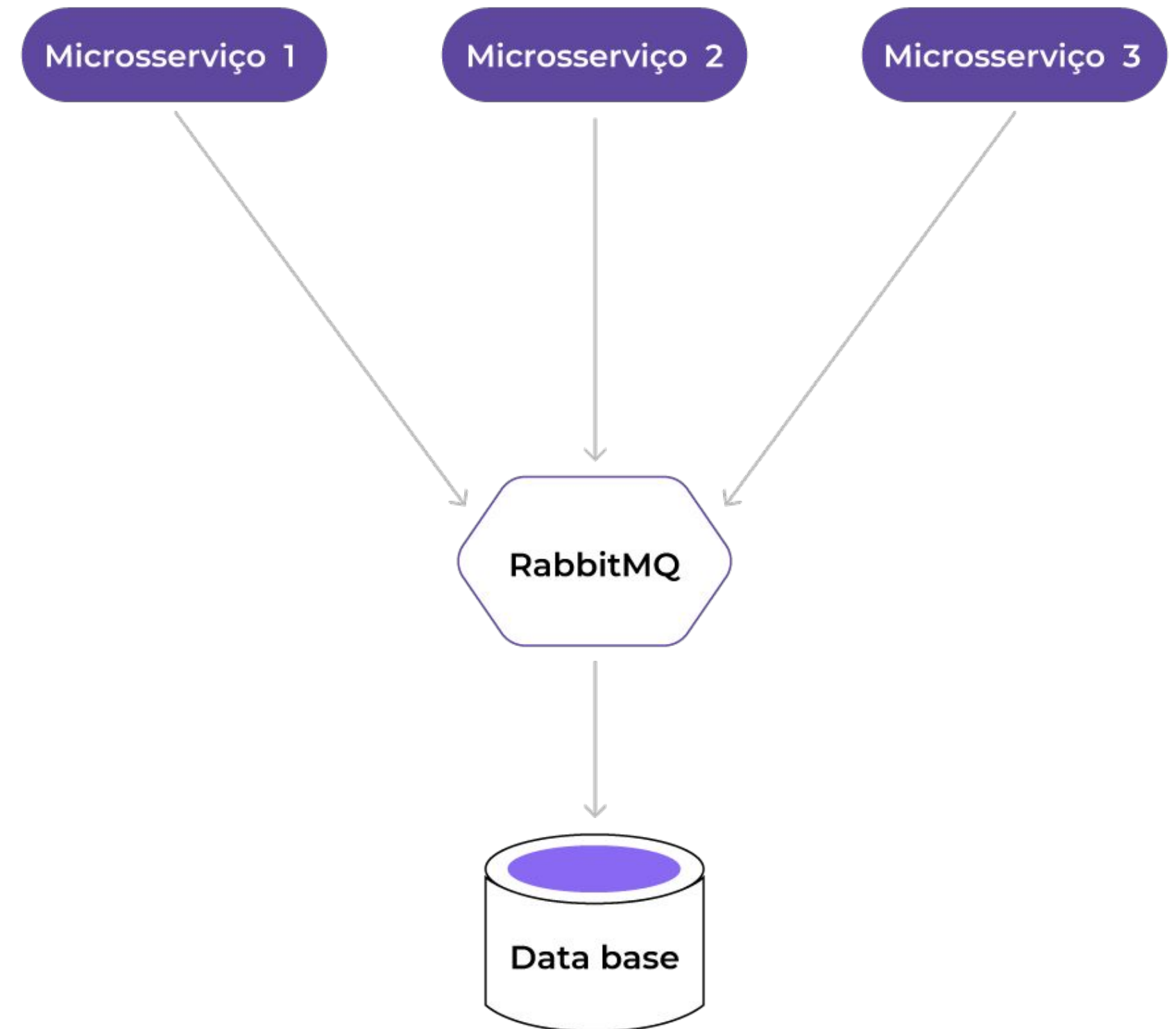
IMPLEMENTAÇÃO DE ZIPKIN COM RABBITMQ

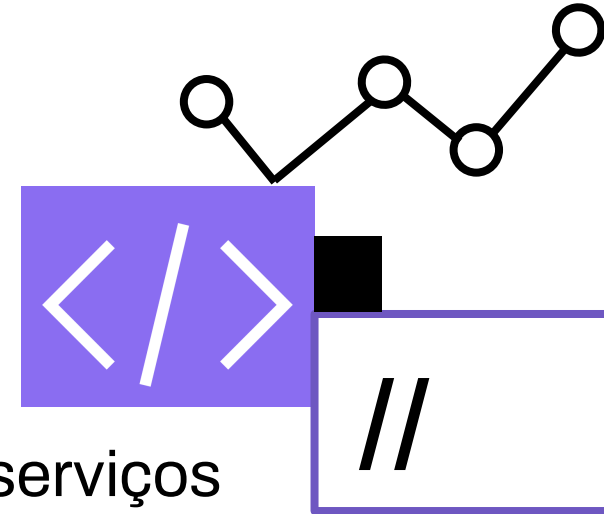
01

Passo a passo

Passo a passo

Na figura ao lado, podemos ver em um modelo esquemático a representação de uma conexão via RabbitMQ.





Para iniciar, devemos adicionar as dependências do Zipkin e do RabbitMQ no pom.xml de todos os microserviços de nossa solução.

```
{}  
  <dependency>  
    <groupId>org.springframework.cloud</groupId>  
    <artifactId>spring-cloud-starter-zipkin</artifactId>  
    <version>2.2.8.RELEASE</version>  
  </dependency>
```

```
{}  
  <dependency>  
    <groupId>org.springframework.amqp</groupId>  
    <artifactId>spring-rabbit</artifactId>  
    <version>2.4.2</version>  
  </dependency>
```

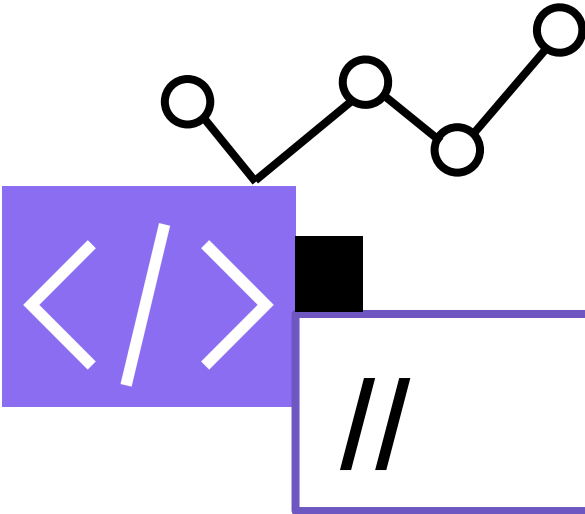
Feito isso, precisamos ter o servidor do Zipkin rodando localmente. Para isso, precisamos fazer o download do Zipkin Server através do link: <https://repo1.maven.org/maven2/io/zipkin/java/zipkin-server/2.12.9/zipkin-server-2.12.9-exec.jar>.

Com o download concluído, agora precisamos abrir o prompt de comando e entrar na pasta onde o arquivo do Zipkin server está. E uma vez dentro desse diretório, devemos executar o comando:



```
java -jar zipkin-server-2.12.9-exec.jar.
```





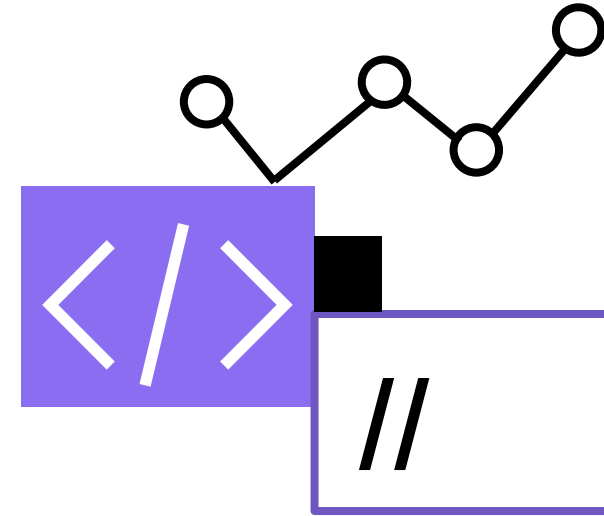
Após executar o comando, a seguinte mensagem deve aparecer no prompt de comando:

```
*****
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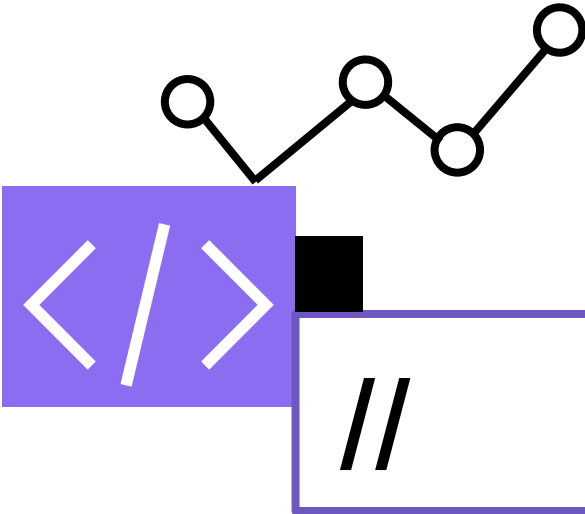
:: Powered by Spring Boot ::      (v2.1.4.RELEASE)

2022-02-10 11:56:05.786 INFO 18556 --- [main] z.s.ZipkinServer : Starting ZipkinServer on DESKTOP-KRCLJM6 with PID 18556 (C:\Users\Adriano\Downloads\zipkin-server-2.12.9-exec.jar started by Adriano in C:\Users\Adriano\Downloads)
2022-02-10 11:56:05.790 INFO 18556 --- [main] z.s.ZipkinServer : The following profiles are active: shared
2022-02-10 11:56:06.958 INFO 18556 --- [main] c.l.a.c.Flags : com.linecorp.armeria.verboseExceptions: false (default)
2022-02-10 11:56:06.958 INFO 18556 --- [main] c.l.a.c.Flags : com.linecorp.armeria.verboseSocketExceptions: false (default)
2022-02-10 11:56:06.960 INFO 18556 --- [main] c.l.a.c.Flags : com.linecorp.armeria.verboseResponses: false (default)
2022-02-10 11:56:06.963 INFO 18556 --- [main] c.l.a.c.Flags : com.linecorp.armeria.useEpoll: false (default)
2022-02-10 11:56:07.113 INFO 18556 --- [main] c.l.a.c.Flags : com.linecorp.armeria.useOpenSsl: true (default)
2022-02-10 11:56:07.114 INFO 18556 --- [main] c.l.a.c.Flags : com.linecorp.armeria.maxNumConnections: 2147483647 (default)
2022-02-10 11:56:07.115 INFO 18556 --- [main] c.l.a.c.Flags : com.linecorp.armeria.numCommonWorkers: 12 (default)
2022-02-10 11:56:07.115 INFO 18556 --- [main] c.l.a.c.Flags : com.linecorp.armeria.numCommonBlockingTaskThreads: 200 (default)
2022-02-10 11:56:07.117 INFO 18556 --- [main] c.l.a.c.Flags : com.linecorp.armeria.defaultMaxRequestLength: 10485760 (default)
2022-02-10 11:56:07.118 INFO 18556 --- [main] c.l.a.c.Flags : com.linecorp.armeria.defaultMaxResponseLength: 10485760 (default)
2022-02-10 11:56:07.118 INFO 18556 --- [main] c.l.a.c.Flags : com.linecorp.armeria.defaultRequestTimeoutMillis: 10000 (default)
2022-02-10 11:56:07.119 INFO 18556 --- [main] c.l.a.c.Flags : com.linecorp.armeria.defaultResponseTimeoutMillis: 15000 (default)
2022-02-10 11:56:07.119 INFO 18556 --- [main] c.l.a.c.Flags : com.linecorp.armeria.defaultConnectTimeoutMillis: 3200 (default)
2022-02-10 11:56:07.120 INFO 18556 --- [main] c.l.a.c.Flags : com.linecorp.armeria.defaultServerIdleTimeoutMillis: 15000 (default)
2022-02-10 11:56:07.120 INFO 18556 --- [main] c.l.a.c.Flags : com.linecorp.armeria.defaultClientIdleTimeoutMillis: 10000 (default)
2022-02-10 11:56:07.121 INFO 18556 --- [main] c.l.a.c.Flags : com.linecorp.armeria.defaultHttp2InitialConnectionWindowSize: 1048576 (default)
2022-02-10 11:56:07.121 INFO 18556 --- [main] c.l.a.c.Flags : com.linecorp.armeria.defaultHttp2InitialStreamWindowSize: 1048576 (default)
2022-02-10 11:56:07.122 INFO 18556 --- [main] c.l.a.c.Flags : com.linecorp.armeria.defaultHttp2MaxFrameSize: 16384 (default)
2022-02-10 11:56:07.123 INFO 18556 --- [main] c.l.a.c.Flags : com.linecorp.armeria.defaultHttp2MaxStreamsPerConnection: 2147483647 (default)
2022-02-10 11:56:07.124 INFO 18556 --- [main] c.l.a.c.Flags : com.linecorp.armeria.defaultHttp2MaxHeaderListSize: 8192 (default)
2022-02-10 11:56:07.125 INFO 18556 --- [main] c.l.a.c.Flags : com.linecorp.armeria.defaultHttp1MaxInitialLineLength: 4096 (default)
2022-02-10 11:56:07.126 INFO 18556 --- [main] c.l.a.c.Flags : com.linecorp.armeria.defaultHttp1MaxHeaderSize: 8192 (default)
2022-02-10 11:56:07.126 INFO 18556 --- [main] c.l.a.c.Flags : com.linecorp.armeria.defaultHttp1MaxChunkSize: 8192 (default)
2022-02-10 11:56:07.127 INFO 18556 --- [main] c.l.a.c.Flags : com.linecorp.armeria.defaultUseHttp2Preface: true (default)
2022-02-10 11:56:07.127 INFO 18556 --- [main] c.l.a.c.Flags : com.linecorp.armeria.defaultUseHttp1Pipelining: false (default)
2022-02-10 11:56:07.127 INFO 18556 --- [main] c.l.a.c.Flags : com.linecorp.armeria.defaultBackoffSpec: exponential=200:10000,jitter=0.2 (default)
2022-02-10 11:56:07.128 INFO 18556 --- [main] c.l.a.c.Flags : com.linecorp.armeria.defaultMaxTotalAttempts: 10 (default)
2022-02-10 11:56:07.128 INFO 18556 --- [main] c.l.a.c.Flags : com.linecorp.armeria.routeCache: maximumSize=4096 (default)
2022-02-10 11:56:07.128 INFO 18556 --- [main] c.l.a.c.Flags : com.linecorp.armeria.compositeServiceCache: maximumSize=256 (default)
2022-02-10 11:56:07.128 INFO 18556 --- [main] c.l.a.c.Flags : com.linecorp.armeria.parsedPathCache: maximumSize=4096 (default)
2022-02-10 11:56:07.129 INFO 18556 --- [main] c.l.a.c.Flags : com.linecorp.armeria.headerValueCache: maximumSize=4096 (default)
2022-02-10 11:56:07.129 INFO 18556 --- [main] c.l.a.c.Flags : com.linecorp.armeria.cachedHeaders: :authority,:scheme,:method,accept-encoding,content-type (default)
2022-02-10 11:56:07.130 INFO 18556 --- [main] c.l.a.c.Flags : com.linecorp.armeria.annotatedServiceExceptionVerbosity: unhandled (default)
2022-02-10 11:56:07.132 INFO 18556 --- [main] c.l.a.c.Flags : /dev/epoll not available: java.lang.IllegalStateException: Only supported on Linux
```




E se observarmos esses logs, vamos conseguir identificar em qual porta esse servidor está rodando.

```
: Serving HTTP at /[0:0:0:0:0:0:0:0]:9411 - http://127.0.0.1:9411/  
: Armeria server started at ports: {[0:0:0:0:0:0:0:0]:9411=ServerPort(/[0:0:0:0:0:0:0:0]:9411, [http])}
```

Então, se acessarmos a rota <http://localhost:9411/>, acessaremos o Zipkin Server.



Investigate system behavior

Find a trace

View Saved Trace

Dependencies

Try Lens UI

Go to trace

Search

Service Name

all

▼

Span Name

Span Name

▼

Lookback

1 hour

▼

Annotation Query

For example: http.path=/foo/bar/ and cluster=foo and cache.miss

Duration (µs) >=

Ex: 100ms or 5s

Limit

10

Sort

Longest First

▼

Find Traces

?

Please select the criteria for your trace lookup.

D

Muito obrigado!