

DESDE CLUSTER KAFKA SE OBTIENEN LAS SIGUIENTES URL

Plaintext

b-3.clusterdevs4j.g73j69.c3.kafka.us-east-2.amazonaws.com:9092,
b-1.clusterdevs4j.g73j69.c3.kafka.us-east-2.amazonaws.com:
9092,b-4.clusterdevs4j.g73j69.c3.kafka.us-east-2.amazonaws.com:9092

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TLS

b-3.clusterdevs4j.g73j69.c3.kafka.us-east-2.amazonaws.com:9094,
b-1.clusterdevs4j.g73j69.c3.kafka.us-east-2.amazonaws.com:
9094,b-4.clusterdevs4j.g73j69.c3.kafka.us-east-2.amazonaws.com:9094

Comando deTerminal.

1.- Antes de creara EC2

```
bin/kafka-topics.sh --list --bootstrap-server b-1.clusterdevs4j.g73j69.c3.kafka.us-east-2.amazonaws.com:9092,b-4.clusterdevs4j.g73j69.c3.kafka.us-east-2.amazonaws.com:9092
```

2.- Despues de creada EC2

conexion a la maquina EC2 (se va al DNS public)

ec2-3-16-152-219.us-east-2.compute.amazonaws.com

```
ssh -i devs4j-key.pem ec2-user@ec2-3-16-152-219.us-east-2.compute.amazonaws.com
```

3. DESCARGAR KAFKA PARA INSTALAR EN EC2

```
wget https://downloads.apache.org/kafka/3.8.0/kafka_2.12-3.8.0.tgz
```

```
tar -xvf kafka_2.12-3.8.0.tgz
```

LUEGO SE VUELEVE A EJECUTAR EN EC2 CON KAFKA INSTALADO:

```
bin/kafka-topics.sh --list --bootstrap-server b-1.clusterdevs4j.g73j69.c3.kafka.us-east-2.amazonaws.com:9092,b-4.clusterdevs4j.g73j69.c3.kafka.us-east-2.amazonaws.com:9092
```

4.-Cracion de Topics

```
bin/kafka-topics.sh --bootstrap-server localhost:9092 --create --topic finytec-transactions --partitions 5 --replication-factor 4
```

```
bin/kafka-topics.sh --bootstrap-server b-1.clusterdevs4j.g73j69.c3.kafka.us-east-2.amazonaws.com:9092,b-4.clusterdevs4j.g73j69.c3.kafka.us-east-2.amazonaws.com:9092 --create --topic finytec-transactions --partitions 5 --replication-factor 4
```

```
bin/kafka-topics.sh --describe --topic finytec-transactions --bootstrap-server localhost:9092
```

```
bin/kafka-topics.sh --describe --topic finytec-transactions --bootstrap-server b-1.clusterdevs4j.g73j69.c3.kafka.us-east-2.amazonaws.com:9092,b-4.clusterdevs4j.g73j69.c3.kafka.us-east-2.amazonaws.com:9092
```

5.- PROBANDO PRODUCER Y CONSUMER.

DESDE EL TERMINAL DE EC2

5.1- Producer

```
ssh -i devs4j-key.pem ec2-user@ec2-3-16-152-219.us-east-2.compute.amazonaws.com
```

ingresar al dir de Kafka

```
bin/kafka-console-producer.sh --topic finytec-transactions --bootstrap-server localhost:9092
```

```
bin/kafka-console-producer.sh --topic finytec-transactions --bootstrap-server  
b-1.clusterdevs4j.g73j69.c3.kafka.us-east-2.amazonaws.com:  
9092,b-4.clusterdevs4j.g73j69.c3.kafka.us-east-2.amazonaws.com:9092  
5.2 Consumer
```

```
ssh -i dev4j-key.pem ec2-user@ec2-3-16-152-219.us-east-2.compute.amazonaws.com
```

ingresar al dir de Kafka

```
bin/kafka-console-consumer.sh --topic finytec-transactions --from-beginning --bootstrap-  
server b-1.clusterdevs4j.g73j69.c3.kafka.us-east-2.amazonaws.com:  
9092,b-4.clusterdevs4j.g73j69.c3.kafka.us-east-2.amazonaws.com:9092 --property print.key=true  
--property key.separator="-"
```

EJEMPLO PRACTICO EN CODIGO FUENTE DE finytec-transactions

```
APUNTAR A b-1.clusterdevs4j.g73j69.c3.kafka.us-east-2.amazonaws.com:  
9092,b-4.clusterdevs4j.g73j69.c3.kafka.us-east-2.amazonaws.com:9092
```

GENERAR JAR DE LA APLICACION (mvn clean install)

```
/home/jhba/Escritorio/Zud/Kafka/dev4j/finytec-transactions/target/finytec-transactions-0.0.1-  
SNAPSHOT.jar
```

DESDE EQUIPO LOCAL

```
scp -i dev4j-key.pem /home/jhba/Escritorio/Zud/Kafka/dev4j/finytec-transactions/target/  
finytec-transactions-0.0.1-SNAPSHOT.jar ec2-user@ec2-3-16-152-219.us-  
east-2.compute.amazonaws.com:finytec-transactions.jar
```

conectarse a EC2 y ejecutar `java -jar finytec-transactions.jar`

CREAR ELASTICSEARCH

```
usuario : dev4js  
password: Jhba++1962
```

```
2024-10-04T03:29:22.951Z ERROR 37755 --- [finytec-transactions] [ient-0-thread-2]  
c.k.f.t.FinytecTransactionsApplication : Error string message Unable to parse response body  
for Response{requestLine=PUT /finytec-transactions/_doc/2-li.mclaughlin-38653?timeout=1m HTTP/  
1.1, host=https://search-devs4j-yfrxfrvnwubhjlzvf4urpu4e.us-east-2.es.amazonaws.com:443,  
response=HTTP/1.1 201 Created}
```