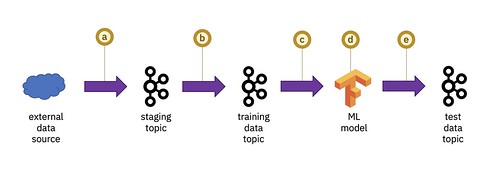
**Kafka Connector Jar Deployment on Kafka Production Server**

==================== Restart Process =========================



===================== **for restart step** ============================

**Step-1 login to server master kafka (kafka1-nvkn) - on three servers.**

ssh ec2-user@13.127.115.148

sudo su kafka

cd /Kafka-Data/kafka-live

ps -ef | grep connect-dist

kill -9 process-id

Go on browser for access [http://](http://13.127.115.148:7000/)13.127.115.148:7000 and delete three topics

(Topics Name:- live-connect-configs , Live-connect-offsets, Live-connect-status)

nohup bin/connect-distributed.sh config/connect-distributed.properties &

tail -f nohup.out

ps aux | grep connect-dist

cd /Kafka-Data/kafka-live/logs

tail -f connector.log

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**Step-2 login to server worker-1 kafka (kafka2-nvkn)**

ssh [ec2-user@13.232.194.131](mailto:ec2-user@13.232.194.131)

sudo su kafka

ps -ef | grep connect-dist

cd /Kafka-Data/kafka-live

ps -ef | grep connect-dist

kill -9 process-id

nohup bin/connect-distributed.sh config/connect-distributed.properties &

ps aux | grep connect-dist

cd /Kafka-Data/kafka-live/logs

tail -f connector.log

**Step-3 login to server worker-2 kafka (kafka3-nvkn)**

ssh ec2-user@13.234.50.170

sudo su kafka

ps -ef | grep connect-dist

cd /Kafka-Data/kafka-live

ps -ef | grep connect-dist

kill -9 process-id

nohup bin/connect-distributed.sh config/connect-distributed.properties &

ps aux | grep connect-dist

cd /Kafka-Data/kafka-live/logs

tail -f connector.log

=============== Restart Process End =====================

========================== **Deployment** ============================

**Step-1 login to server master kafka (kafka1-nvkn) - on three servers.**

1- ssh ec2-user@13.127.115.148

2- sudo bash

3- sudo su kafka

4- ps -ef | grep connect-dist

5- Go on browser for access [http://](http://13.127.115.148:7000/)13.127.115.148:7000 and delete three topics

(Topics Name:- live-connect-configs , Live-connect-offsets, Live-connect-status)

6- cd /Kafka-Data/kafka-live

7- ps -ef | grep connect-dist

8- kill -9 process-id

Backup to kafka-connector-0.0.1-SNAPSHOT.jar from all three kafka servers.

9- mv -r /Kafka-Data/kafka-live/libs/kafka-connector-0.0.1-SNAPSHOT.jar /Kafka-Data/kafka-connector\_Backup/kafka-connector-0.0.1-SNAPSHOT\_20082021.jar

Copy to kafka-connector-0.0.1-SNAPSHOT.jar to all three kafka servers from QA kafka Server or jenkins.

10- scp kafka-connector-0.0.1-SNAPSHOT.jar [ec2-user@](mailto:ec2-user@IP)13.127.115.148:/tmp/

11- nohup bin/connect-distributed.sh config/connect-distributed.properties &

12- ps aux | grep connect-dist

13- cd /Kafka-Data/kafka-live/logs

14- tail -f connector.log

**Step-2 login to server master kafka (kafka2-nvkn) - on three servers.**

1- ssh ec2-user@[13.232.194.131](mailto:ec2-user@13.232.194.131)

2- sudo bash

3- sudo su kafka

4- ps -ef | grep connect-dist

5- cd /Kafka-Data/kafka-live

6- kill -9 process-id

Backup to kafka-connector-0.0.1-SNAPSHOT.jar.

7- mv /Kafka-Data/kafka-live/libs/kafka-connector-0.0.1-SNAPSHOT.jar /Kafka-Data/kafka-connector\_Backup/kafka-connector-0.0.1-SNAPSHOT\_20082021.jar

Copy to kafka-connector-0.0.1-SNAPSHOT.jar to all three kafka servers from QA kafka Server or jenkins.

8- scp -r kafka-connector-0.0.1-SNAPSHOT.jar [ec2-user@](mailto:ec2-user@IP)[13.232.194.131](mailto:ec2-user@13.232.194.131):/tmp/

9- nohup bin/connect-distributed.sh config/connect-distributed.properties &

10- ps aux | grep connect-dist

11- cd /Kafka-Data/kafka-live/logs

**12- tail -f connector.log**

**Step-3 login to server master kafka (kafka3-nvkn)**

1- ssh [ec2-user@13.23](mailto:ec2-user@13.232.194.131)4.50.170

2- sudo bash

3- sudo su kafka

4- ps -ef | grep connect-dist

5- cd /Kafka-Data/kafka-live

6- kill -9 process-id

Backup to kafka-connector-0.0.1-SNAPSHOT.jar.

7- mv -r /Kafka-Data/kafka-live/libs/kafka-connector-0.0.1-SNAPSHOT.jar /Kafka-Data/kafka-connector\_Backup/kafka-connector-0.0.1-SNAPSHOT\_20082021.jar

Copy to kafka-connector-0.0.1-SNAPSHOT.jar to all three kafka servers from QA kafka Server or jenkins.

8- scp -r kafka-connector-0.0.1-SNAPSHOT.jar [ec2-user@](mailto:ec2-user@IP)[13.232.194.131](mailto:ec2-user@13.232.194.131):/tmp/

9- nohup bin/connect-distributed.sh config/connect-distributed.properties &

10- ps aux | grep connect-dist

11- cd /Kafka-Data/kafka-live/logs

**12- tail -f connector.log**

**============== done deployment process ========================**

change default partitions

edit this in server.properties

**============== Kafka Troubleshooting process ========================**

**-----------------start zookeeper ------------->>>>>>**

1- ssh [ec2-user@13.127.115.148](mailto:ec2-user@13.127.115.148)

2- sudo su kafka

3- ps -ef | grep zookeeper

4- cd /Kafka-Data/kafka-live/bin

5- nohup bin/zookeeper-server-start.sh config/zookeeper.properties &

6- ps -ef | grep zookeeper

7- tail -f nohup.out

**-----------------start kafka ------------>>>>>>>>**

8- nohup bin/kafka-server-start.sh config/server.properties &

9- bin/kafka-server-stop.sh

10- bin/zookeeper-server-stop.sh

11- bin/kafka-reassign-partitions.sh --zookeeper localhost:2181 --reassignment-json-file increase-replication.json --execute

**-----------------Check available broker ------------>>>>>>>>**

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1- ./bin/zookeeper-shell.sh localhost:2181 ls /brokers/ids

2- curl -X DELETE http://172.31.27.113:8083/conne+ctors/live-scada-connector

3- scp -r ./target/kafka-connector-0.0.1-SNAPSHOT.jar kafka@13.127.115.148:/Kafka-Data/kafka-live/libs/

4- bin/kafka-topics.sh --zookeeper 172.31.27.113:2181,172.31.20.206:2181,172.31.20.195:2181 --alter --topic re-live-scada --config retention.hour=48

5- bin/kafka-topics.sh --describe --zookeeper 172.31.27.113:2181,172.31.20.206:2181,172.31.20.195:2181 --topic re-live-scada

**-----------------Check ssl -----------→>>>>>>>**

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1- openssl s\_client -debug -connect 172.31.20.195:9093 -tls1

2- nohup bin/connect-distributed.sh config/connect-distributed.properties &

3- curl -d @connector.json -H "Content-Type: application/json" -X POST http://172.31.27.113:8083/connectors

**-----------------Topic Creation -----------→>>>>>>>**

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bin/kafka-topics.sh --zookeeper 172.31.18.121:2181,172.31.20.206:2181,172.31.20.195:2181 --topic re-live-scada --create --partitions 16 --replication-factor 3

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List all topics

1- bin/kafka-topics.sh --zookeeper 127.0.0.1:2181 --list

2- bin/kafka-topics.sh --zookeeper 127.0.0.1:2181 --topic first\_topic --describe

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Mark topic for deletion

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bin/kafka-topics.sh --zookeeper 127.0.0.1:2181 --topic sec\_topic --delete

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kafka console cmd

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bin/kafka-console-producer.sh --broker-list 127.0.0.1:9092 --topic connect-topic123

bin/kafka-console-producer.sh --broker-list 127.0.0.1:9092 --topic first\_topic producer-property acks=all

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kafka console consumer console cmd

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bin/kafka-console-consumer.sh --bootstrap-server 127.0.0.1:9092 --topic connect-topic123

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to view all msgs from beginning

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bin/kafka-console-consumer.sh --bootstrap-server 172.31.27.113:9092,172.31.20.206:9092,172.31.20.195:9092 --topic re-live-scada --from-beginning | grep "T95" > ralla.csv

bin/kafka-console-consumer.sh --bootstrap-server 127.0.0.1:9092 --topic users --from-beginning

---------------------→>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>

create topic for scada

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bin/kafka-topics.sh --zookeeper 127.0.0.1:2181 --topic scadaData --create --partitions 3 --replication-factor 1

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>>>>>>>>>>>>>>>---------- For kafka streams >>>>>>>>>>>>>>>>>>--------------

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Topic creation

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bin/kafka-topics.sh --zookeeper 172.31.20.206:2181,172.31.20.195:2181 --topic re-live-scada --create --partitions 16 --replication-factor 2

bin/kafka-topics.sh --zookeeper 127.0.0.1:2181 --topic word-count-output --create --partitions 1 --replication-factor 1

bin/kafka-console-producer.sh --broker-list 127.0.0.1:9092 --topic word-count-input

bin/kafka-console-consumer.sh --bootstrap-server 127.0.0.1:9092 --topic word-count-output

bin/connect-standalone.sh config/connect-standalone.properties config/connect-file-source.properties

bin/kafka-topics.sh --zookeeper 172.31.27.113:2181,172.31.20.206:2181,172.31.20.195:2181 --alter --topic re-live-scada --config segment.bytes=734003200