**Kafka Scylla (Cassandra Connect)**

**Download Jar:**

**kafka-connect-cassandra-3.0.1-2.5.0-all.jar**

**Kafka – Docker YML**

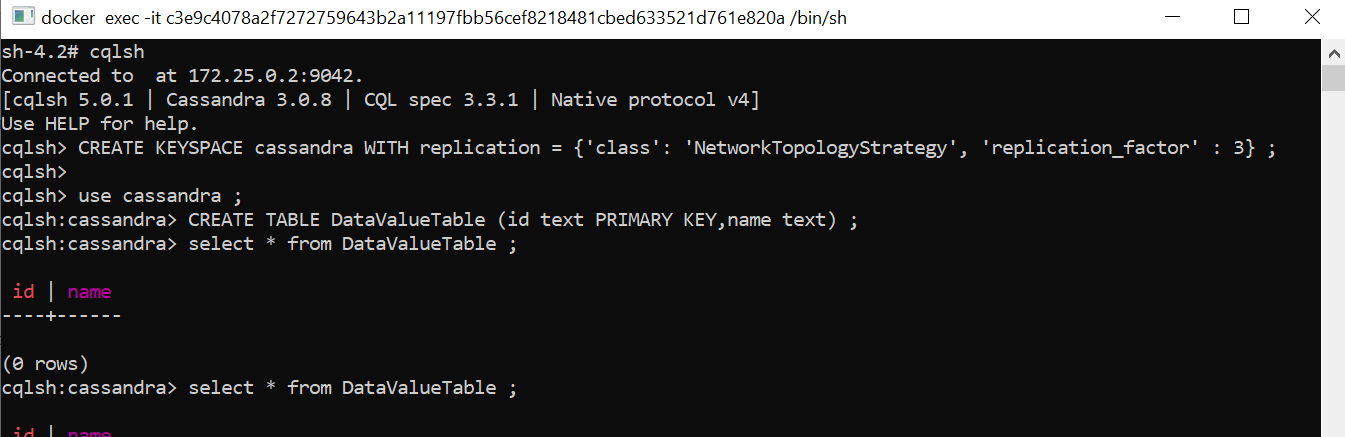
|  |
| --- |
| version: "3.8"  services:    zookeeper:  image: 'bitnami/zookeeper:latest'  container\_name: zookeeper  ports:  - '2181:2181'  environment:  - ALLOW\_ANONYMOUS\_LOGIN=yes  kafka:  image: 'bitnami/kafka:2.8.1'  container\_name: kakfa  depends\_on:  - zookeeper  ports:  - "9092:9092"  - "29092:29092"  environment:  - KAFKA\_CFG\_ZOOKEEPER\_CONNECT=zookeeper:2181  - ALLOW\_PLAINTEXT\_LISTENER=yes  - KAFKA\_BROKER\_ID=1  - KAFKA\_CFG\_LISTENERS=PLAINTEXT://:9092  - KAFKA\_CFG\_ADVERTISED\_LISTENERS=PLAINTEXT://127.0.0.1:9092  volumes:  - 'C:/dockeryamls/config/kafka-connect-cassandra-3.0.1-2.5.0-all.jar:/opt/bitnami/kafka/plugins/kafka-connect-cassandra-3.0.1-2.5.0-all.jar'  - 'C:/dockeryamls/config/sink-quickstart-cassandra.properties:/opt/bitnami/kafka/config/sink-quickstart-cassandra.properties'  - 'C:/dockeryamls/config/connect-standalone.properties:/opt/bitnami/kafka/config/connect-standalone.properties' |

**Scylla DB – YML**

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| --- |
| version: "3.8"  services:    scylla:  image: 'scylladb/scylla'  container\_name: scylla    command:  - "--smp"  - "2"  ports:  - '9042:9042' |

1. docker-compose -f Scylla.yml up
2. Execute following commands in Scylla container (exec into syclla)

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| --- |
| cqlsh  CREATE KEYSPACE cassandra WITH replication = {'class': 'NetworkTopologyStrategy', 'replication\_factor' : 3} ;  use cassandra ;  CREATE TABLE DataValueTable (id text PRIMARY KEY,name text) ;  select \* from DataValueTable ; |



**Installing Kafka Connect Configuration**

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| **Connect standalone.properties** |
| # distributed under the License is distributed on an "AS IS" BASIS,  # WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.  # See the License for the specific language governing permissions and  # limitations under the License.  # These are defaults. This file just demonstrates how to override some settings.  bootstrap.servers=localhost:9092  # The converters specify the format of data in Kafka and how to translate it into Connect data. Every Connect user will  # need to configure these based on the format they want their data in when loaded from or stored into Kafka  key.converter=org.apache.kafka.connect.json.JsonConverter  value.converter=org.apache.kafka.connect.json.JsonConverter  key.converter.schemas.enable=false  value.converter.schemas.enable=false  # Converter-specific settings can be passed in by prefixing the Converter's setting with the converter we want to apply  # it to  #key.converter.schemas.enable=true  #value.converter.schemas.enable=true  offset.storage.file.filename=/tmp/connect.offsets  # Flush much faster than normal, which is useful for testing/debugging  offset.flush.interval.ms=10000  # Set to a list of filesystem paths separated by commas (,) to enable class loading isolation for plugins  # (connectors, converters, transformations). The list should consist of top level directories that include  # any combination of:  # a) directories immediately containing jars with plugins and their dependencies  # b) uber-jars with plugins and their dependencies  # c) directories immediately containing the package directory structure of classes of plugins and their dependencies  # Note: symlinks will be followed to discover dependencies or plugins.  # Examples:  plugin.path=/opt/bitnami/kafka/plugins  #plugin.path= |

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| --- |
| **sink-quickstart-cassandra.properties** |
| name=cassandra-sink  connector.class=com.datamountaineer.streamreactor.connect.cassandra.sink.CassandraSinkConnector  tasks.max=1  topics=testtopic  connect.cassandra.kcql= INSERT INTO DataValueTable select \* FROM testtopic  connect.cassandra.contact.points=scylla  connect.cassandra.port=9042  connect.cassandra.key.space=cassandra  connect.cassandra.username=cassandra  connect.cassandra.password=cassandra  auto.create=true |

Execute

docker-compose -f kafka.yml up

Exec into kafka container and execute

/opt/bitnami/kafka/bin/connect-standalone.sh /opt/bitnami/kafka/config/connect-standalone.properties /opt/bitnami/kafka/config/sink-quickstart-cassandra.properties

**Take one more terminal in kaka and start producer with testtopic**

/opt/bitnami/kafka/bin/kafka-topics.sh --create --bootstrap-server kafka:9092 --replication-factor 1 --partitions 1 --topic testtopic

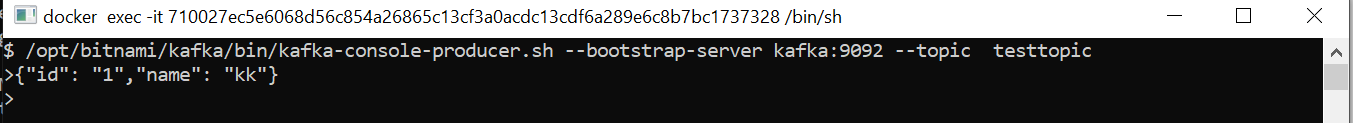
/opt/bitnami/kafka/bin/kafka-console-producer.sh --bootstrap-server kafka:9092 --topic testtopic

Give Json as input to topic

{"id": "1","name": "kk"}

**KafkaConsumer command**

/opt/bitnami/kafka/bin/kafka-console-consumer.sh --bootstrap-server kafka:9092 --topic testtopic



In Scylla terminal,

Execute select \* from DataTableValues and see the results

