Message Queue Service

Setting MQS

In the configuration for the table you can set the MQS type on initiating the database.

```
config.setMqsConfiguration(new LocalConfiguration())
```

This can be done using the configuration customizer

```
NucleoDB nucleoDB = new NucleoDB(
    NucleoDB.DBType.READ_ONLY,
    c -> c.getConnectionConfig().setMqsConfiguration(new LocalConfiguration()),
    c -> c.getDataTableConfig().setMqsConfiguration(new LocalConfiguration()),
    "com.nucleodb.library.helpers.models"
);
```

You can specify specific tables by comparing the table class

```
c -> {
  if(c.getClazz() == Author.class){
    c.getDataTableConfig().setMqsConfiguration(new LocalConfiguration());
  }
},
```

Kafka MQS (Default)

Using Kafka cluster to keep the ledger of the database.

Configuration Path

```
com.nucleodb.library.mqs.kafka.KafkaConfiguration
```

Configure

This MQS is configured using environment variables.

```
KAFKA_SERVERS=127.0.0.1:19092,127.0.0.1:29092,127.0.0.1:39092
KAFKA_GROUP_ID=single-node-db
```

Or in the settings map

```
servers=127.0.0.1:19092,127.0.0.1:29092,127.0.0.1:39092
groupName=498yrhebfnsfhsdjfad
```

Settings map can be configured in the configuration customizer.

Local MQS

Local only for testing purposes. Does not use a message queue, all messages are instantly produced directly to the consumer.

Configuration Path

```
com.nucleodb.library.mqs.local.LocalConfiguration
```

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