



Hewlett Packard
Enterprise

NONSTOP SQL/MX WITH MYSQL



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FUNCTION OF APPLICATION

1. Create order – customer can create order if they are existing customer
2. Edit order – customer can edit order if order number exist



DATA TABLES

MySQL – Orders table

Database: mybookstore
Table name: Orders

```
mysql> select * from orders;
```

OrderId	CustId	OrderDesc	created_timestamp	edited_timestamp
2	1	test insert from java app	2021-03-05 11:22:39	NULL
3	1	update from mysql	2021-03-05 13:23:40	NULL
4	1	default description	2021-03-05 11:40:26	2021-03-05 13:28:12
5	1	hello from app	2021-03-05 11:40:43	NULL
6	1	create order with command	2021-03-05 11:45:54	NULL
7	1	default description	2021-03-05 11:48:55	NULL
8	1	hello from app with new timestamp	2021-03-05 11:49:13	2021-03-05 13:27:16

SQL/MX – Customers table

Catalog: Tomcat
Schema: SQLXP
Table name: Customers

Data in Table TOMCAT.SQLXP.CUSTOMERS

Data Source Type: MX Table | Data Source Name: TOMCAT.SQLXP.CUSTOMERS

Go To: 200 | 1 rows in cache. | Rows per page: 10

Customization: ☒ Apply | Clear All

CUSTID	FIRSTNAME	LASTNAME
1	adminFirst	adminLast



APPLICATION CONFIGURATION

JDBC Drivers (MySQL, SQL/MX)

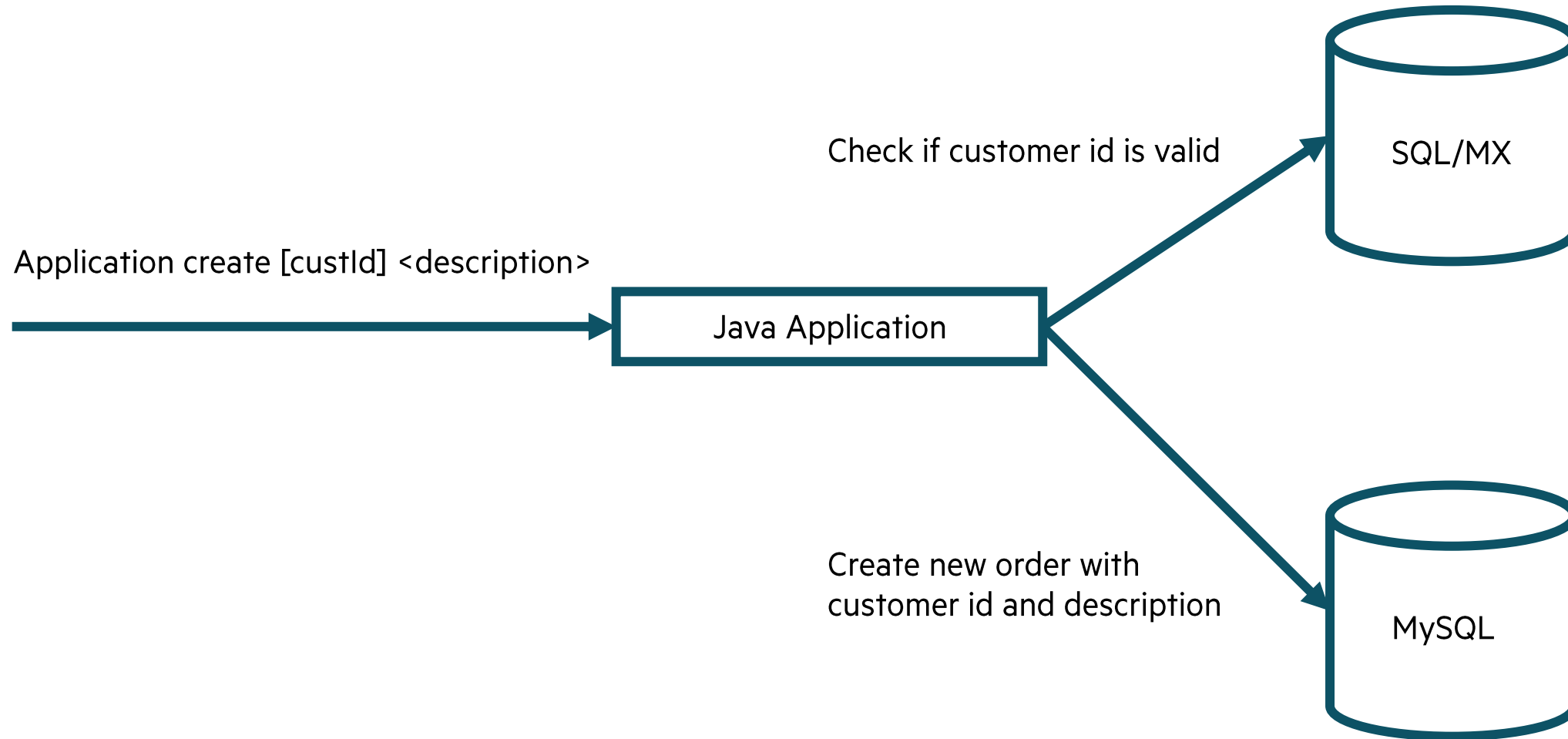
> java -classpath C:\MySQL\mysql-connector-java-8.0.23\mysql-connector-java-8.0.23\mysql-connector-java-8.0.23.jar;C:\t1249\lib\t4sqlmx.jar; Application create 1

Configuration File (config.properties)

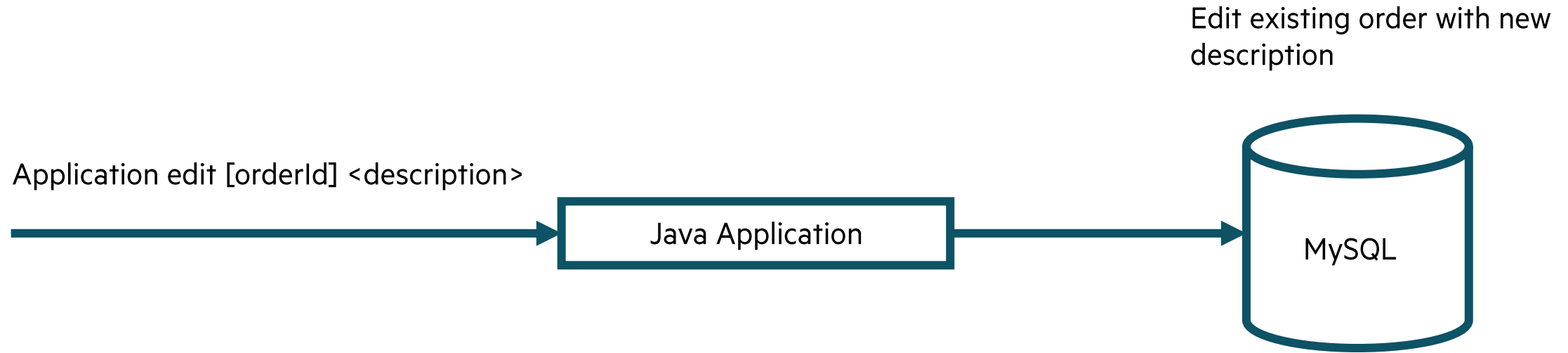
```
1  #MySQL properties - url = jdbc:mysql://[ip addr]/
2  mySqlUrl=jdbc:mysql:///
3  mySQLUser=
4  mySQLPassword=
5  mySQLDatabase=
6
7  #sqlmx properties - url = jdbc:t4sqlmx://[ip addr]::
8  sqlmxUrl=jdbc:t4sqlmx:///
9  sqlmxUser=
10 sqlmxPassword=
11 sqlmxCatalog=
12 sqlmxSchema=
```



CREATE ORDER



EDIT ORDER



COMMANDS TO TEST WITH APPLICATION

- 1. create, custId
- `java -classpath C:\MySQL\mysql-connector-java-8.0.23\mysql-connector-java-8.0.23\mysql-connector-java-8.0.23.jar;C:\t1249\lib\t4sqlmx.jar;; Application create 1`
- 2. create, custId, desc
- `java -classpath C:\MySQL\mysql-connector-java-8.0.23\mysql-connector-java-8.0.23\mysql-connector-java-8.0.23.jar;C:\t1249\lib\t4sqlmx.jar;; Application create 1 "desc"`
- 3. edit, orderId
- `java -classpath C:\MySQL\mysql-connector-java-8.0.23\mysql-connector-java-8.0.23\mysql-connector-java-8.0.23.jar;C:\t1249\lib\t4sqlmx.jar;; Application edit 4`
- 4. edit, orderId, newDesc
- `java -classpath C:\MySQL\mysql-connector-java-8.0.23\mysql-connector-java-8.0.23\mysql-connector-java-8.0.23.jar;C:\t1249\lib\t4sqlmx.jar;; Application edit 8 "hello from app with new desc"`

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- Error:
 - - invalid order id
 - `java -classpath C:\MySQL\mysql-connector-java-8.0.23\mysql-connector-java-8.0.23\mysql-connector-java-8.0.23.jar;C:\t1249\lib\t4sqlmx.jar;; Application edit 99`
 - - invalid custId
 - `java -classpath C:\MySQL\mysql-connector-java-8.0.23\mysql-connector-java-8.0.23\mysql-connector-java-8.0.23.jar;C:\t1249\lib\t4sqlmx.jar;; Application create 3`
 - - invalid command
 - `java -classpath C:\MySQL\mysql-connector-java-8.0.23\mysql-connector-java-8.0.23\mysql-connector-java-8.0.23.jar;C:\t1249\lib\t4sqlmx.jar;; Application`

