

Debezium test run Against – Oracle 18

Steps followed during test run :

Step:1

Created Docker instance by referring page:

<https://github.com/debezium/oracle-vagrant-box>

Step:2

Configured Oracle DB by referring command

```
cat setup.sh | docker exec -i dbz_oracle bash
```

Step:3

Followed debezium-examples by referring page:

<https://github.com/debezium/debezium-examples/tree/master/tutorial>

```
MACWUPUN0038:Debezium-1 312383$ docker container ls
CONTAINER ID        IMAGE                                     NAMES                COMMAND              CREATED            STATUS              PORTS
be92b193484e       debezium/connect-with-oracle-jdbc:0.8  debezium-1_connect_1  "/docker-entrypoint..."  26 minutes ago    Up 26 minutes      0.0.0.0:5005->5005/tcp, 8778/tcp, 9092/tcp, 0.0.0.0:
:8083->8083/tcp, 9779/tcp
d514794ae0aa       debezium/kafka:0.8                    debezium-1_kafka_1   "/docker-entrypoint..."  26 minutes ago    Up 26 minutes      8778/tcp, 9779/tcp, 0.0.0.0:9092->9092/tcp
763e12d72a15       debezium/zookeeper:0.8                debezium-1_zookeeper_1  "/docker-entrypoint..."  26 minutes ago    Up 26 minutes      0.0.0.0:2181->2181/tcp, 0.0.0.0:2888->2888/tcp, 877
8/tcp, 0.0.0.0:3888->3888/tcp, 9779/tcp
53336df44326       oracle/database:18.3.0-ee             dbz_oracle           "/bin/sh -c 'exec $0..."  6 days ago        Up About an hour (healthy)  0.0.0.0:1521->1521/tcp, 5500/tcp

MACWUPUN0038:Debezium-1 312383$
```

Inserted Test Data to Oracle:

```
cat ./inventory.sql | docker exec -i dbz_oracle sqlplus
debezium/dbz@//localhost:1521/ORCLPDB1
```

Worksheet Query Builder

SELECT * FROM DEBEZIUM.PRODUCTS ;

Query Result x

SQL | All Rows Fetched: 27 in 0.005 seconds

ID	NAME	DESCRIPTION	WEIGHT
1	101 scooter	Small 2-wheel scooter	3.14
2	102 car battery	12V car battery	8.1
3	103 12-pack drill bits	12-pack of drill bits with sizes ranging from #40 to #3	0.8
4	104 hammer	12oz carpenter's hammer	0.75
5	105 hammer	14oz carpenter's hammer	0.875
6	106 hammer	16oz carpenter's hammer	1
7	107 rocks	box of assorted rocks	5.3
8	108 jacket	water resistant black wind breaker	0.1
9	109 spare tire	24 inch spare tire	22.2
10	130 scooter	Small 2-wheel scooter	3.14
11	131 car battery	12V car battery	8.1
12	132 12-pack drill bits	12-pack of drill bits with sizes ranging from #40 to #3	0.8
13	133 hammer	12oz carpenter's hammer	0.75
14	134 hammer	14oz carpenter's hammer	0.875
15	135 hammer	16oz carpenter's hammer	1
16	136 rocks	box of assorted rocks	5.3
17	137 jacket	water resistant black wind breaker	0.1
18	138 spare tire	24 inch spare tire	22.2
19	110 scooter	Small 2-wheel scooter	3.14
20	111 car battery	12V car battery	8.1
21	112 12-pack drill bits	12-pack of drill bits with sizes ranging from #40 to #3	0.8
22	113 hammer	12oz carpenter's hammer	0.75
23	114 hammer	14oz carpenter's hammer	0.875
24	115 hammer	16oz carpenter's hammer	1
25	116 rocks	box of assorted rocks	5.3
26	117 jacket	water resistant black wind breaker	0.1
27	118 spare tire	24 inch spare tire	22.2

Started Oracle Connector :

Start Oracle connector

```
curl -i -X POST -H "Accept:application/json" -H "Content-Type:application/json"
http://localhost:8083/connectors/ -d @register-oracle.json
```

```
{
  "name": "inventory-connector",
  "config": {
    "connector.class" : "io.debezium.connector.oracle.OracleConnector",
    "tasks.max" : "1",
    "database.server.name" : "server1",
    "database.hostname" : "dbz_oracle",
    "database.port" : "1521",
    "database.user" : "c###xstrm",
    "database.password" : "xs",
    "database.dbname" : "ORCLCDB",
    "database.pdb.name" : "ORCLPDB1",
    "database.tablename.case.insensitive": "true",
    "table.whitelist" : "ORCLPDB1.debezium.products",
    "database.out.server.name" : "dbzxout",
    "database.history.kafka.bootstrap.servers" : "kafka:9092",
```

"database.history.kafka.topic": "schema-changes.inventory"

```
}  
}
```

Checked Connector Log:

```
che.kafka.connect.runtime.WorkerSourceTask  
connect_1 2019-04-30 18:04:36,736 INFO || Snapshot step 1 - Preparing [io.debezium.relational.HistorizedRelationalSnapshotChangeEventSource]  
connect_1 2019-04-30 18:04:36,738 INFO || Snapshot step 2 - Determining captured tables [io.debezium.relational.HistorizedRelationalSnapshotChangeEventSource]  
connect_1 2019-04-30 18:04:37,627 INFO || Snapshot step 3 - Locking captured tables [io.debezium.relational.HistorizedRelationalSnapshotChangeEventSource]  
connect_1 2019-04-30 18:04:37,632 INFO || Snapshot step 4 - Determining snapshot offset [io.debezium.relational.HistorizedRelationalSnapshotChangeEventSource]  
connect_1 2019-04-30 18:04:37,652 INFO || Snapshot step 5 - Reading structure of captured tables [io.debezium.relational.HistorizedRelationalSnapshotChangeEventSource]  
connect_1 2019-04-30 18:04:37,887 INFO || Snapshot step 6 - Persisting schema history [io.debezium.relational.HistorizedRelationalSnapshotChangeEventSource]  
connect_1 2019-04-30 18:04:37,947 INFO || Snapshot step 8 - Finalizing [io.debezium.relational.HistorizedRelationalSnapshotChangeEventSource]  
connect_1 2019-04-30 18:04:37,950 ERROR || Producer failure [io.debezium.pipeline.ErrorHandler]  
connect_1 java.lang.RuntimeException: java.sql.SQLException: ORA-31603: object "PRODUCTS" of type TABLE not found in schema "DEBEZIUM"  
connect_1 ORA-06512: at "SYS.DBMS_METADATA", line 6681  
connect_1 ORA-06512: at "SYS.DBMS_SYS_ERROR", line 105  
connect_1 ORA-06512: at "SYS.DBMS_METADATA", line 2582  
connect_1 ORA-06512: at "SYS.DBMS_METADATA", line 2821  
connect_1 ORA-06512: at "SYS.DBMS_METADATA", line 3602  
connect_1 ORA-06512: at "SYS.DBMS_METADATA", line 4960  
connect_1 ORA-06512: at "SYS.DBMS_METADATA", line 5288  
connect_1 ORA-06512: at "SYS.DBMS_METADATA", line 6652  
connect_1 ORA-06512: at "SYS.DBMS_METADATA", line 9672  
connect_1 ORA-06512: at line 1  
connect_1  
connect_1 at io.debezium.relational.HistorizedRelationalSnapshotChangeEventSource.execute(HistorizedRelationalSnapshotChangeEventSource.java:169)  
connect_1 at io.debezium.pipeline.ChangeEventSourceCoordinator.lambda$start$8(ChangeEventSourceCoordinator.java:80)  
connect_1 at java.util.concurrent.Executors$RunnableAdapter.call(Executors.java:511)  
connect_1 at java.util.concurrent.FutureTask.run(FutureTask.java:266)  
connect_1 at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149)  
connect_1 at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:624)  
connect_1 at java.lang.Thread.run(Thread.java:748)  
connect_1 Caused by: java.sql.SQLException: ORA-31603: object "PRODUCTS" of type TABLE not found in schema "DEBEZIUM"  
connect_1 ORA-06512: at "SYS.DBMS_METADATA", line 6681  
connect_1 ORA-06512: at "SYS.DBMS_SYS_ERROR", line 105
```

Result:

Debezium Oracle connector is getting failed with below exception while taking initial snapshot:

java.lang.RuntimeException: java.sql.SQLException: ORA-31603: object "PRODUCTS" of type TABLE not found in schema "DEBEZIUM"