[DB2]Numeric value out of range

Last updated by | Veena Pachauri | Mar 8, 2023 at 11:10 PM PST

Contents

Issue

Copy data from DB2 to DB2.

{ 'errorCode': '2200', 'message': 'Failure happened on 'Sink' side. ErrorCode=UserErrorOdbcOperationFailed,'Type=Microsoft.DataTransfer.Common.Shared.HybridDeliveryException,Message=ERROR [22003] [IBM][CLI Driver] CLI0111E Numeric value out of range. SQLSTATE=22003,Source=Microsoft.DataTransfer.ClientLibrary.Odbc.OdbcConnector,''Type=Microsoft.DataTransfer.ClientLibrary.Odbc.Exceptions.OdbcException,Message=ERROR [22003] [IBM][CLI Driver] CLI0111E Numeric value out of range. SQLSTATE=22003,Source=DB2CLI.DLL,'', 'failureType': 'UserError', 'target': 'Copy data1', 'details': [] }

RCA

There could be some issue or gap between IBM's driver with ADF in bulk inserting decimal value. We need to further investigate the RCA. When setting batch size as "1", you're using single insert instead of bulk insert, which is a different code path.
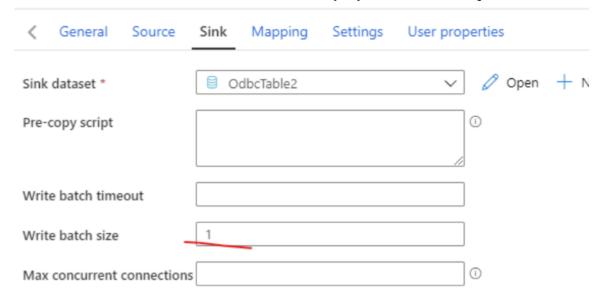
Test a. It works with the following query (1 row and fixed values)

```
   select * from table
(values
   (0, 2164, 'CO-L1242 Validacion_DEM_OPC_SPD.xlsx' )
)
   as Q (TOTAL_APPROVED_AMOUNT, DOCUMENT_NUMBER, DOCUMENT_NAME)
   with ur;
```

Test b. It does not work with the following query (3 rows and fixed values) - (getting same error).

```
select * from table
(values
   (0, 2164, 'CO-L1242 Validacion_DEM_OPC_SPD.xlsx' ),
   (0, 2161, 'CO-L1242_DEM_QRR_SPD.SDV_09.23.19_Final.xlsx' ),
   (0, 2032, 'BH-L1048 BH-O0006 Validacion_DEM_OPC_SPD.xlsx' )
)
   as Q (TOTAL_APPROVED_AMOUNT, DOCUMENT_NUMBER, DOCUMENT_NAME)
   with ur;
```

Solution

<   **General**   **Source**   **Sink**   **Mapping**   **Settings**   **User properties**

Sink dataset *   OdbcTable2   ⌄   ✎ Open   + N

Pre-copy script   ⓘ

Write batch timeout

Write batch size   1

Max concurrent connections   ⓘ

Reference

https://portal.microsofticm.com/imp/v3/incidents/details/194550438/home ↗