[SAP ODP] Parse value error or data misalignment

Last updated by | Zhangyi Yu | Oct 10, 2022 at 2:15 AM PDT

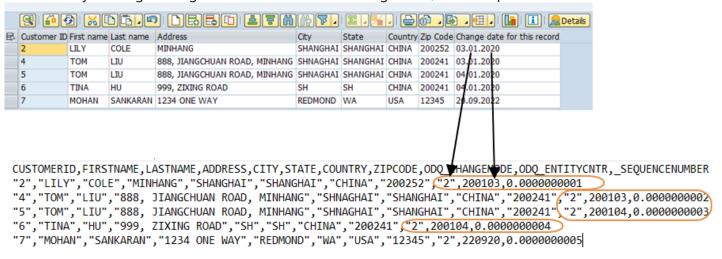
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Issue

When you use MDF SAP to read data and meet one of following issues:

- 1. Failed when parsing data, parsing value: '', expected data type 'Decimal', column index ''.Please check your origin data in SAP side,Source=Microsoft.DataTransfer.Runtime.SapRfcHelper,''Type=System.FormatException,Message=Input string was not in a correct format.,Source=mscorlib
- 2. The data in your stage storage or sink table is data misalignment, for example:



Root Cause

Mostly the customer has hidden column settings in his SAP table.

Field Name	Short text	Selection	Hide field	Inversion	Field only K
ADDRESS	Address				
CHANGEDATE	Change date for this record		✓		
CITY	City				

When MDF SAP try to read data from SAP server, it returns all the schema (columns, including hidden ones), but returned data does not contains related values. So data misalignment is happened and lead to parse value issue or wrong data value issue.

Resolution

When customer meets these issues, please ask him to use one of following options to workaround/solve it:

- Option-1: Ask customer to remove hidden setting from related column(s) through SAP GUI.
- Option-2: If customer wants to keep existed SAP settings without change, he can use hidden feature (manually add DSL property "enableProjection:true" in script) in MDF SAP to filter the hidden column(s) and continue to read data.

```
source(allowSchemaDrift: true,
validateSchema: false,
store: 'SapOdp',
format: 'sapObject',
staged: true,
context: 'SAPI',
objectName: 'ZODPTEST',
enableCdc: true,
enableProjection: true,
readMode: 'fullAndIncrementalLoad',
keys: ['CUSTOMERID']) ~> SapZODPTEST
```

Additional Information:

Icm Reference: N/AAuthor: Zhangyi YuReviewer: Zhangyi Yu