

Copy data failing when using bulk insert with column mapping

Last updated by | Veena Pachauri | Mar 8, 2023 at 11:32 PM PST

Contents

- [Issue](#)
- [Troubleshooting](#)
- [Recommended Solution](#)

Issue

When we perform a **Bulk insert operation** in copy data activity, if we perform a column mapping by interchanging columns at the sink side the data ingestion activity is getting failed

Troubleshooting

Object: Party_Srilatha.csv

	ID	AVG	Date	Name
1	123	2.37	2022-10-17 09:00:09.930	KK
2	24	1.78	2022-10-17 09:00:09.930	KR
3	54	3.48	2022-10-17 09:00:09.930	test testN_TEST
4	64	2.23	2022-10-17 09:00:09.930	JJ
5	74	1.12	2022-10-17 09:00:09.930	J8
6	84	5.81	2022-10-17 09:00:09.930	24

Here is how the source csv dataset looks like:

If we try to interchange **AVG** and **DATE** column in SQL query to create the table at synapse as shown below. There after try to perform a copy data execution without import schema in copy data activity. Copy activity will fail with the below error message.

```
create table dbo.TestColumn( Id int, date DATETIME, Avg Decimal (18,2), Name varchar(50))
```

The screenshot shows the 'Mapping' tab of a 'Copy data' activity. The source columns are ID, Date, AVG, and Name. The destination columns are Id, date, Avg, and Name. The mapping is as follows:

Source	Type	Destination	Type
ID	abc String	Id	123 int
Date	abc String	date	datetime
AVG	abc String	Avg	e ⁴ decimal
Name	abc String	Name	abc varchar

Error Message:

Failure happened on 'Sink' side. ErrorCode=UserErrorInvalidDataValue,'Type=Microsoft.DataTransfer.Common.Shared.HybridDeliveryException,Message=Column 'date' contains an invalid value '2.37'.',Source=Microsoft.DataTransfer.ServiceLibrary,'Type=System.ArgumentException,Message=String was not recognized as a valid DateTime.Couldn't store <2.37> in date Column. Expected type is DateTime.,Source=System.Data,'Type=System.FormatException,Message=String was not recognized as a valid DateTime.,Source=mscorlib,'

When we again rearrange source and sink dataset schema as per the source dataset schema. The pipeline gets succeeded, as we can see in below screenshot.

Copy data

Copy data1

→

Copy data

Copy data2

General

Source

Sink

Mapping

Settings

User properties

<input type="checkbox"/>	Source	Type		Destination	Type		
<input type="checkbox"/>	ID	abc String	→	Id (int)	123 int	+	
<input type="checkbox"/>	AVG	abc String	→	Avg (decimal)	e* decimal	+	
<input type="checkbox"/>	Date	abc String	→	date (datetime)	date datetime	+	
<input type="checkbox"/>	Name	abc String	→	Name (varchar)	abc varchar	+	

Recommended Solution

- Please try to recreate the **pipeline** as well as the **source and sink datasets**, so that copy activity runs in the latest behavior (mapping columns by name).
- Latest behavior is to map columns by name, so that the right source columns could be written into the sink side correctly irrespective of columns order.

Additional Information:

- **AVA:** 2210200040004248
- **Contributor:** pavanreddy
- **Author:** kbanil
- **Keywords:** Bulk Insert, Column Mapping

How good have you found this content?

