[SyMS connector] Job failed when only a subset of fields are mapped in Sink

Last updated by | Jackie Huang | Jan 4, 2022 at 12:24 AM PST

Issue

When customer use SyMS connector as Sink. He may find job will fail with following error message.

```
{"message":"Job failed due to reason: at Sink 'Sink': org.apache.spark.sql.AnalysisException: The column numbe
```

Root Cause

This is a known limitation in Spark SQL API, it needs all the column fields in target table to be perfectly matched to insert.

This will occur if only a subset of fields are mapped in Sink. In other words, sink's column fileds don't match SyMS table's fields.

Resolution

Please compare with target table's schema and use derive column transformation to manually add other columns that are not shown in Sink, then do the insert.

BTW backend will consider improve this scenario. (https://msdata.visualstudio.com/Azure Data Movement/_workitems/edit/1267674 ⧉)

Additional Information:

- Icm Reference:
- Author: Xiaojin Wang
- Reviewer: Xiaojin Wang; Shawn Xiao