

[Azure SQLDatabase, Azure Synapse Analytics] Job failed with SQLServerException: Invalid column name 'true'

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

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Issue

When customer uses SQL server/Synapse as source or sink in dataflow (preview data, debug/trigger run...), in related linked service, if 1. customer has a Filter transformation which contains "toBoolean(byName('column_name'))" 2. Customer's pipeline "Logging level" is set to None. He may find job will fail with following error message:

```
{'StatusCode':'DFExecutorUserError','Message':'Job failed due to reason: shaded.msdataflow.com.microsoft.sqls
```

Root Cause

This is related to Spark pushdown logic. And due to a Spark driver bug described here <https://stackoverflow.com/questions/68841640/spark-jdbc-on-sql-server-failed-with-filter-and-disable-pushdownpredicate-not-wo> [\[1\]](#). But currently Spark community doesn't intent to fix it now.

Resolution

There are two workarounds:

1. Change the pipeline "Logging level" from None to other settings.
2. Change the expression in Filter transformation to "toString(byName('column_name'))='true'" to avoid pushdown logic.

Either one can work.

Additional Information:

- Icm Reference: [243039280](https://portal.microsofticm.com/imp/v3/incidents/details/243039280/home)
- Author: Xiaojin Wang
- Reviewer: Xiaojin Wang; Shawn Xiao
- Keywords:

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