[Azure Synpase Analytics] Sink with polybase didn't output faulty rows

Last updated by | Veena Pachauri | Mar 9, 2023 at 12:00 AM PST

Issue

When customer use Azure Synapse Analytics connector as Sink with 'Copy method' as 'Polybase' with 'reject type' and 'reject value' nonempty, and set 'Fault tolerance' as 'skip incompatible rows' with 'enable logging' to log faulty rows into storage. He may find job doesn't write faulty rows and job will fail if the number of error rows matches the reject type and value setting in Polybase.

Root Cause

This is by design behavior in Synpase dedicated pool with polybase function. Polybase is through a batch of SQL queries (public doc ⧉). Copy activity just executes those queries, get the result of the query and doesn't really touch the data.

Because polybase function doesn't export faulty rows if the number of faulty rows reaches the reject value ⧉, copy activity cannot get the faulty rows.

Resolution

Currently no workaround, unless switch to write with 'bulk insert' as copy method. This is feature limitation from Synpase polybase function. Please ask Synpase team for new feature ask.

Additional Information:

- Icm Reference:
- Author: Xiaojin Wang
- Reviewer: Xiaojin Wang