[Snowflake] Failed to copy the data which contains backslash

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Issue & Symptoms

Customer use Snowflake connector do copy with staging enabled, but failed with error like "first error Found character 'M' instead of field delimiter ',', first error line 2, first error character 253"

Cause

The first stage Source -> staging blob use csv format and the format serializer failed to escape the escape char "\" in the data due to a bug, which will cause the csv format data invalid and data mismatch, so at the second stage staging blob-> snowflake we will unable to deserialize the data.

Workaround

Manually edit JSON payload of your pipeline, go to properties -> activities -> {your copy activity} -> "typeProperties", add a flag "escapeQuoteEscaping": true. (if using SHIR, please make sure the SHIR version must >= 5.5.7762.1 to get this fix)

Resolution

We already have a item to track this fix, but currently we do not have a clear ETA, because the related fix will change some writing behavior of Delimited Text (although it change the behavior in a correct way and won't impact most of the customer, but it may break some previous exist pipeline.), to avoid impact any previous existing pipeline, we need to fix this issue with some other way which need more time. But we will actively working on publishing this fix to PROD.