[DelimitedText] Limitation with Multiline CSV source in Dataflow

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

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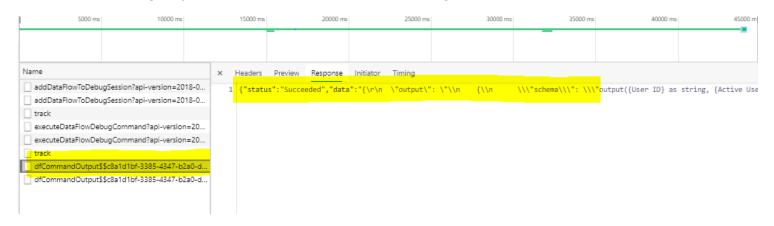
Issue

In the Mapping data flow, currently, the multiline CSV source does not work with the \r\n as row delimiter. Sometimes has extra lines at carriage returns, breaking source values. This is a limitation in the underlying Spark engine used. This result in failures like

- The last column coming out to be null or missing
- · Schema validation at source fails.
- Schema import fails to show correctly in the UX as well as the last column has a new line character in the name.

How to Troubleshoot

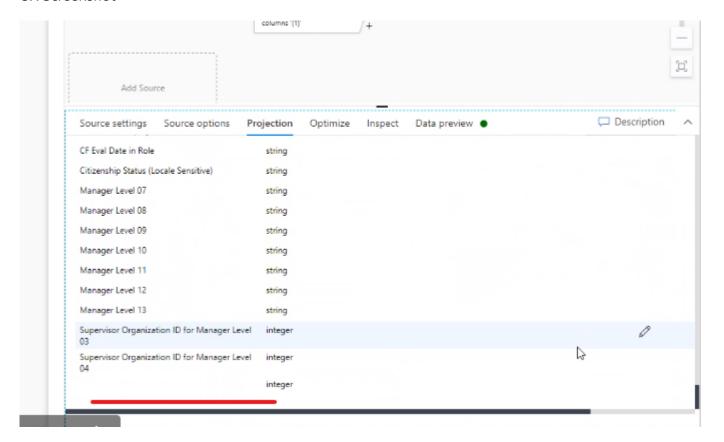
1. While importing projection, press F12 and check the tracelogs of dfcommandoupt.



2. Please check the last column in below DSL.

3. This caused the last column to be drifted.

UX Screenshot



Recommendation

- If customer CSV files don't have multi-line rows (column value includes the row delimiter), then please uncheck the "multiline rows" option. This is always recommended if column values don't include the row delimiter since it will help the performance as well.
- If the customer CSV file indeed has multi-line rows, dataflow only works well if the row delimiter is '\n', if customer data has a different row delimiter, please suggest customer to either generate the file at the source with \n as row delimiter rather than \r\n. Or use Copy Activity to convert the file from \r\n to \n as a row delimiter.

NOTE: If the customer has multi-char column delimiter + multi-line rows + row delimiter is not '\n' at the same time, this should be very rare case and please do confirm with customer it is really true and suggest testing with the workaround above first. But it is true, we do not have a proper workaround and the PG team has planned efforts to solve the issue before 2021-07, and no exact date before that as this is a complex bug.

Please leverage the AVA thread in case if you have any questions on this.

Additional Information:

• **Icm References:** ICM: <u>204467268</u> ☑,<u>218126956</u> ☑

How good have you found this content?

