[ADLS Gen2] - Failed with error "Error while reading file XXX. It is possible the underlying files have been updated"

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

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Issue

When customer uses ADLS Gen2 as sink in dataflow (preview data, debug/trigger run...) and the partition setting in Optimize tab in Sink stage is not default. He may find job will fail with following error message:

```
Job failed due to reason: Error while reading file abfss:REDACTED_LOCAL_PART@prod.dfs.core.windows.net/impo
```

Root Cause

Customer doesn't assign proper permission to their MI/SP auth.

Customer might have customized job to handle files they don't want, which will effect dataflow's middle output.

Resolution

Please check if customer's linked service has R/W/E permission for Gen2. If using MI auth/SP auth, please grant at least the Storage Blob Data Contributor role in Access control (IAM).

Please confirm with customer if customer has specific job that moves/delete file to other place whose name does not match their rule. Because dataflow will write down partition files into target folder first, then do the merge, and rename operations, the middle file's name might not match customer's rule.

Additional Information:

- Icm Reference: https://portal.microsofticm.com/imp/v3/incidents/details/220707310/home
- Author: Xiaojin Wang
- Reviewer: Shawn Xiao
- Keywords: ADLS Gen2

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