

[SqlBatchWriteTransactionFailed] replacing old error [UserErrorSqlBatchWriteRollbackFailed]

Last updated by | Veena Pachauri | Mar 8, 2023 at 11:22 PM PST

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Symptoms

[Latest]

"Code":22311,"Message":"ErrorCode=SqlBatchWriteTransactionFailed,'Type=Microsoft.DataTransfer.Common.Shared.HybridDeliveryException,Message=SQL transaction commits failed,Source=Microsoft.DataTransfer.ClientLibrary,'Type=System.InvalidOperationException,Message=This SqlTransaction has completed; it is no longer usable.,Source=System.Data,',\"EventType\":0,\"Category\":5,\"Data\": {\"StackTrace\":\"'Type=Microsoft.DataTransfer.Common.Shared.HybridDeliveryException,Message=SQL transaction commits failed,Source=Microsoft.DataTransfer.ClientLibrary

[Previously]

Sometimes, the pipeline failed with error below: 'Code': 11682, 'Message': 'ErrorCode=UserErrorSqlBatchWriteRollbackFailed,'Type=Microsoft.DataTransfer.Common.Shared.HybridDeliveryException,Message=Exception in SQL batch write and failed to rollback.,Source=Microsoft.DataTransfer.ClientLibrary,'Type=System.InvalidOperationException,Message=This SqlTransaction has completed; it is no longer usable.,Source=System.Data',,

Cause

when writing data into dw. ADF would use a transaction for each batch. if there is no response from the dw, ADF will try to rollback the transaction and rewrite to avoid duplicated data and improve the success rate for copy job. In this case, the data actually write in to the dw but dw did not response for the transaction. So it failed when ADF try to rollback the transaction.

ADF did notice more similar issues from both AzureSql DW and AzureSql DB since Nov. 4th.

Suggest to increase the connection timeout setting in sink linked service (AzureSqlDB/DW),

AzureSqlDB 60 - 120

AzureSqlDW 120 - 240

Meanwhile, if Self-IR related , network analyze might also be needed.

Linked services

Integration runtimes

+ New

NAME ↑↓

TYPE ↑↓

AzureSqlDW6

Azure Synapse Analytics (formerly SQL DW)

```
"properties": {
  "annotations": [],
  "type": "AzureSqlDW",
  "typeProperties": {
    "connectionString": "Integrated Security=False;Encrypt=True;Connection Timeout=30:[
  }
}
```

More Information

<https://icm.ad.msft.net/imp/v3/incidents/details/158624398/home>

<https://icm.ad.msft.net/imp/v3/incidents/details/154763348/home>

<https://portal.microsofticm.com/imp/v3/incidents/details/161568009/home> 

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