

[Sql] Timeout writing to SQL database in copy activity

Last updated by | Veena Pachauri | Mar 8, 2023 at 11:10 PM PST

201039- [Sql] Timeout writing to SQL database in copy activity

Tuesday, November 22, 2016
11:12 AM

SME

Symptoms

Customer is using SQL Server as sink, receiving error like "Execution Timeout Expired. The timeout period elapsed prior to completion of the operation or the server is not responding."

SHIR logs show "Sql Error number:-2, Error Code:-2146232060, Error Message: 'Type=System.Data.SqlClient.SqlException,Message=Execution Timeout Expired. The timeout period elapsed prior to completion of the operation or the server is not responding...'"

Cause

By default, the SQL sink client sets a 2 hour timeout on the connection when writing to the database. When the batch being written takes more than 2 hours to complete, the connection times out before completion and returns an error

Resolution

Set a Write batch size on the Sink settings so that the write is broken up into multiple batches that should complete within 2 hours each. 10,000 is a good starting number. Alternatively, you can set the Write batch timeout to a longer time than 02:00:00.

[Link to docs.](#)

Example Config:

Example Config:

GeneralSourceSinkMappingSettingsUser Properties

Sink dataset *

DestinationDataset_pw7

Edit

New

Stored Procedure Name

Select...

Refresh

Edit

Table option

None

Auto create table

Pre-copy script

Write batch timeout

Write batch size

10000

Max concurrent connections

Tags

SQL
ADF
Timeout

CSS Feedback

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https://supportability.visualstudio.com/AzureDataFactory/_wiki/wikis/AzureDataFactory/286808/-Sql-Timeout-writing-to-SQL-database-in-copy-activity

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