

[Azure Synapse Analytics] - Managed Service Identity error

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Contents

- [Issue](#)
- [Root Cause](#)
- [Resolution](#)
- [Additional Information:](#)

Issue

When customer uses Synapse as source/sink in dataflow (preview data, debug/trigger run...) and enable staging to use polybase, and the staging store's (blob, gen2...) linked service is created to use MI (Managed Identity) auth. He may find job will fail with following error message:

Error

Operation on target Dataflow8 failed:
{\"statusCode\":\"DFExecutorUserError\",\"message\":\"Job failed due to reason: at Sink 'sink1':
shaded.msdataflow.com.microsoft.sqlserver.jdbc.SqlServerException: Managed Service Identity has not been enabled on this server. Please enable Managed Service Identity and try again.\"}, {\"details\":\"at Sink 'sink1':
shaded.msdataflow.com.microsoft.sqlserver.jdbc.SqlServerException: Managed Service Identity has not been enabled on this server. Please enable Managed Service Identity and try again.\"}

\"shaded.msdataflow.com.microsoft.sqlserver.jdbc.SqlServerException: Managed Service Identity has not been enab

Root Cause

1.If the SQL pool is created from Synapse workspace, MI auth on staging store with polybase is not supported for old SQL pool. 2.If the SQL pool is the old DWH (Data Warehouse) version, Managed Identity of SQL server is not assigned to staging store.

Resolution

You need to confirm with customer if the SQL pool is created from Synapse workspace.

1. If the SQL pool is created from Synapse workspace, customer need to re-registering the workspace's managed identity.


Follow these steps to work around this issue by re-registering the workspace's managed identity:

Go to your Synapse workspace in the Azure portal

Go to the Managed identities blade

If the "Allow Pipelines" option is already checked, you must uncheck this setting and save

Check the "Allow Pipelines" option and save

2. If the SQL pool is the old DWH (Data Warehouse) version, please just enable MI for your SQL server and assign the permission of the staging store to the MI of your SQL Server. You can refer <https://docs.microsoft.com/en-us/azure/azure-sql/database/vnet-service-endpoint-rule-overview#steps>  for example steps to do so.

Additional Information:

- Icm Reference: N/A
- Author: Xiaojin Wang; Zhuoyang Zhang
- Reviewer: Xiaojin Wang; Shawn Xiao; Zhuoyang Zhang
- Keywords:

How good have you found this content?

