

[ADLS Gen2] ADLS Gen2 sink failed with timeout error

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201077- [ADLS Gen2] ADLS Gen2 sink failed with timeout error

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Symptoms	<p>Copy activity fail with the following error:</p> <p>'Type=Microsoft.DataTransfer.Common.Shared.HybridDeliveryException,Message=Request to Adls Gen2 account 'neuadlv2mdsdev01' met timeout error. It is mostly caused by the poor network between the Self-hosted IR machine and the Adls Gen2 account. Please check the network to resolve such error.</p> <p>Message: Failure happened on 'Sink' side. ErrorCode=UserErrorFailedBlobFSOperation,'Type=Microsoft.DataTransfer.Common.Shared.HybridDeliveryException,Message=BlobFS operation failed for: A task was canceled</p>
Cause	It is caused by the ADLS Gen2 sink timeout error, and it mostly happens in your self-hosted IR machine.
Resolution	<ol style="list-style-type: none">1. Suggest your self-hosted IR machine and target ADLS Gen2 account in same region to have better perf, and avoid such random timeout error.2. Check whether there is any special network setting (e.g. ExpressRoute), and also ensure the network has enough bandwidth.<ol style="list-style-type: none">1. If the overall bandwidth is low, suggest to decrease the self-hosted IR concurrent jobs setting to avoid network resource competition across multiple concurrent jobs.3. For non-binary copy, ADLS Gen2 sink's default block size is 100 MB to support large file size (at most 4.75 TB). If you can be sure that the file size is smaller, you can use a smaller block size which can also mitigate such timeout error.<ol style="list-style-type: none">1. E.g. if the single file size is smaller than 400 GB, the block size can be specified as 8MB.2. Refer to this Blob Storage's doc for more details: https://docs.microsoft.com/en-us/rest/api/storageservices/put-block#remarks3. To specify the custom block size, you can specify the property in Json editor like the followings:<pre>"sink": { "type": "DelimitedTextSink", "storeSettings": { "type": "AzureBlobFSWriteSettings", "blockSizeInMB": 8 }, }</pre>
More Information	

Created with Microsoft OneNote 2016.

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