

[CosmosDB] Request size is too large

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Symptoms

Error Message: Request size is too large. Copy sink is CosmosDB. 'Write batch size' property in sink is not tuned by customer. (default value is 10000)

error in Copy activity when copying a .json file from Blob to Cosmos BD

Cause

The root cause, explanation of the behavior, background of the system

hard limit for single request's size of 2MB when writing in Cosmos DB

Resolution

Reduce the 'Write batch size' property in sink to a proper value.

Since it's a hard limit, a workaround would be using data flow to split the original file into a partitions, after that use the For Each activity with a Copy Activity to write every file into Cosmos DB.

More Information

CosmosDB limits one single request's size to 2MB. The formula is, Request Size = Single Document Size * Write Batch Size. Customers need tune the property by themselves because ADF don't know the actual document size to be written into CosmosDB.

Tags

CosmosDB

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