

[Cosmos DB MongoDBApi] - Copy Stuck or Cursor Id Not Found When Using ADF

Last updated by | Jackie Huang | Jan 4, 2022 at 12:24 AM PST

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Issue

When customers are transferring data using ADF with Mongo API the transfer fails after running for a period of time. The Cosmos Mongo Account is enabled for Cursor. The issue does not occur unless the process is running for long time. At the Cosmos DB side, the Cursor is killed after period of inactivity on the cursor.

Symptom

ADF copy activity stuck, fails with OOM or the following exception:

```
{
  'errorCode': '2200',
  'message': 'Failure happened on 'Source' side. ErrorCode=UserErrorMongoDbFailedWithMongoDbServerError,'Type=Closed
; EndPoint : \\'Unspecified/cdb-ms-prod-southcentralus1-fd3.documents.azure.com:10255\\' }&44 Create Structure
Closed
; LocalValue : 8&44 Create Structure Draft
Closed
; ServerValue : \\'1534965636\\' },Source=Microsoft.DataTransfer.Runtime.MongoDbV2Connector,'Type=MongoDB.Dr
Closed
; EndPoint : \\'Unspecified/cdb-ms-prod-southcentralus1-fd3.documents.azure.com:10255\\' }&44 Create Structure
Closed
; LocalValue : 8&44 Create Structure Draft
Closed
; ServerValue : \\'1534965636\\' },Source=Microsoft.DataTransfer.Runtime.MongoDbV2Connector,'Type=MongoDB.Dr
Closed
; EndPoint : \\'Unspecified/cdb-ms-prod-southcentralus1-fd3.documents.azure.com:10255\\' }&44 Create Structure
Closed
; LocalValue : 8&44 Create Structure Draft
Closed
; ServerValue : \\'1534965636\\' },Source=Microsoft.DataTransfer.Runtime.MongoDbV2Connector,'Type=MongoDB.Dr
'failureType': 'UserError',
'target': 'Copy_ClaimLine_Cosmos_Prod'
}
```

Cause

The activity run in ADF consumes most of the memory in the system. Once all memory is consumed Cosmos client throws the error.

Resolution

Customer needs to set a lower memory limit and rerun the activity. (This also applies to customers using a self-hosted integration runtime in ADF).

Add "maxMemoryLimit": 524288000 in the pipeline definition.

```
1 {
2   "name": "pipeline9",
3   "properties": {
4     "activities": [
5       {
6         "name": "Copy data1",
7         "type": "Copy",
8         "dependsOn": [],
9         "policy": {
10          "timeout": "7,00:00:00",
11          "retry": 0,
12          "retryIntervalInSeconds": 30,
13          "secureOutput": false,
14          "secureInput": false
15        },
16        "userProperties": [],
17        "typeProperties": {
18          "source": {
19            "type": "CosmosDbSqlApiSource",
20            "preferredRegions": []
21          },
22          "sink": {
23            "type": "CosmosDbSqlApiSink",
24            "writeBehavior": "insert"
25          },
26          "enableStaging": false,
27          "maxMemoryLimit": 524288000
28        },
29        "inputs": [
30          {
31            "referenceName": "CosmosDbSqlApiCollection2",
32            "type": "DatasetReference"
33          }
34        ]
35      }
36    ]
37  }
38 }
```

Note: Cosmos will show 'OP_CURSOR_KILL ' around the same time that the error is thrown, in MongProxyRequest5M

Additional Information:

- TSG References: [CosmosDB - MongoDB](#)

How good have you found this content?



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