Failed to fetch execution state

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

Contents

Issue

Customer may get the following error while running Data flow jobs:

```
""errorCode": "4501", "message": "Hit unexpected exception and execution failed.", "failureType": "UserError",
```

```
PreciseTimeStamp         Role      TraceMessage      Message
2020-06-24 HDISScaleUnitWebRoleGroup      ExecutionRuntimeWebCallback      <LogProperties><Text>Invoke callback u
{"Status":2,"IsUpdateQueuedStatus":false,"Output":null,"Error":{"ErrorCode":4501,"Message":"Failed to fetch ex
```

Investigation

- Run the following Kusto query:

```
cluster('Azuredmprod').database('AzureDataMovement').CustomLogEvent
| where PreciseTimeStamp >= ago(5d)
| where ActivityId == "<ActivityID>"  //Activity ID
| where Message has "failed"
| project PreciseTimeStamp, Role, TraceMessage, Message, EventName, TraceComponent, StatusCode, SubscriptionId
| sort by PreciseTimeStamp asc
```

In the backend cluster logs, we may see the following error message in the stack trace:

```
20/06/24 ERROR DatabricksMain$DBUncaughtExceptionHandler: Uncaught exception in thread task-result-getter-0!
java.lang.OutOfMemoryError: Java heap space
at java.io.ObjectInputStream$HandleTable.grow(ObjectInputStream.java:3835)
at java.io.ObjectInputStream$HandleTable.assign(ObjectInputStream.java:3642)
at java.io.ObjectInputStream.readString(ObjectInputStream.java:1916)
at java.io.ObjectInputStream.readObject0(ObjectInputStream.java:1564)
```

Resolution

- Make sure you've followed the performance guidelines as mentioned in this TSG: [Data flow performance considerations](#)

- Customer should retry the job with bigger core count and/or memory optimized compute type.

Additional Information:

- **Icm References:**
- **Author:** vimals
- **Reviewer:** vimals
- **Keywords:** ErrorCode 4501

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