

Power Query TiP failures

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Issue

Troubleshoot Power Query Tip failure issues

Steps

1. Get the pipeline run Id from the tip logs

```

DateTime=2019-10-31T17:48:40.7915933Z
CtmEngine.exe Information: 0 : ADF-TestTest-V2Service.ExecutewranglingPipelineTest_2019-10-31T17:48:14_1af2c6f9bbf44ebc8425fecbf2edf97e: 2019-10-31T17:48:40.7915933Z:Information: Client request Id: 2c8b94c6-184c-4946-a5ee-984144c4e389
DateTime=2019-10-31T17:48:40.7915933Z
CtmEngine.exe Information: 0 : ADF-TestTest-V2Service.ExecutewranglingPipelineTest_2019-10-31T17:48:14_1af2c6f9bbf44ebc8425fecbf2edf97e: 2019-10-31T17:48:40.9715830Z:Information: Client response - GET https://api-dogfood.resources.windows-int.net/subscri
cd[REDACTED]/providers/Microsoft.Resources/deployments/[REDACTED]-b6be-49ca-b982-42fc3612553d?api-version=2018-05-01 statusCode: OK
DateTime=2019-10-31T17:48:40.9715830Z
CtmEngine.exe Information: 0 : ADF-TestTest-V2Service.ExecutewranglingPipelineTest_2019-10-31T17:48:14_1af2c6f9bbf44ebc8425fecbf2edf97e: 2019-10-31T17:48:50.9787613Z:Information: Get deployment 'https://api-dogfood.resources.windows-int.net/subscriptions
cd[REDACTED]/providers/Microsoft.Resources/deployments/dataflowtipfactory94dee690-b6be-49ca-b982-42fc3612553d?api-version=2018-05-01'.
DateTime=2019-10-31T17:48:50.9787613Z
CtmEngine.exe Information: 0 : ADF-TestTest-V2Service.ExecutewranglingPipelineTest_2019-10-31T17:48:14_1af2c6f9bbf44ebc8425fecbf2edf97e: 2019-10-31T17:48:50.9787613Z:Information: Client request Id: 55d66dd5-0b5d-4989-b4d1-e145029e7fc3
DateTime=2019-10-31T17:48:50.9787613Z
CtmEngine.exe Information: 0 : ADF-TestTest-V2Service.ExecutewranglingPipelineTest_2019-10-31T17:48:14_1af2c6f9bbf44ebc8425fecbf2edf97e: 2019-10-31T17:48:51.1587574Z:Information: Client response - GET https://api-dogfood.resources.windows-int.net/subscri
cd[REDACTED]/providers/Microsoft.Resources/deployments/dataflowtipfactory94dee690-b6be-49ca-b982-42fc3612553d?api-version=2018-05-01 statusCode: OK
DateTime=2019-10-31T17:48:51.1587574Z
CtmEngine.exe Information: 0 : ADF-TestTest-V2Service.ExecutewranglingPipelineTest_2019-10-31T17:48:14_1af2c6f9bbf44ebc8425fecbf2edf97e: 2019-10-31T17:49:01.1644564Z:Information: Get deployment 'https://api-dogfood.resources.windows-int.net/subscriptions
cd[REDACTED]/providers/Microsoft.Resources/deployments/dataflowtipfactory94dee690-b6be-49ca-b982-42fc3612553d?api-version=2018-05-01'.
DateTime=2019-10-31T17:49:01.1644564Z
CtmEngine.exe Information: 0 : ADF-TestTest-V2Service.ExecutewranglingPipelineTest_2019-10-31T17:48:14_1af2c6f9bbf44ebc8425fecbf2edf97e: 2019-10-31T17:49:01.1644564Z:Information: Client request Id: b4f6440-2540-4b7c-b326-a89f0d3e1860
DateTime=2019-10-31T17:49:01.1644564Z
CtmEngine.exe Information: 0 : ADF-TestTest-V2Service.ExecutewranglingPipelineTest_2019-10-31T17:48:14_1af2c6f9bbf44ebc8425fecbf2edf97e: 2019-10-31T17:49:13.4180705Z:Information: Client response - GET https://api-dogfood.resources.windows-int.net/subscri
cd[REDACTED]/providers/Microsoft.Resources/deployments/dataflowtipfactory94dee690-b6be-49ca-b982-42fc3612553d?api-version=2018-05-01 statusCode: OK
DateTime=2019-10-31T17:49:13.4180705Z
CtmEngine.exe Information: 0 : 2019-10-31 17:49:13: Factory successfully deployed via ARM Template
DateTime=2019-10-31T17:49:13.4180705Z
CtmEngine.exe Information: 0 : 2019-10-31 17:49:13: Stop: CreatedDatafactoryThroughArm
DateTime=2019-10-31T17:49:13.4180705Z
CtmEngine.exe Information: 0 : 2019-10-31 17:49:13: Triggering pipeline DataFlowPipeline...
DateTime=2019-10-31T17:49:13.4230654Z
CtmEngine.exe Information: 0 : 2019-10-31 17:49:17: Pipeline: DataFlowPipeline successfully started, run id: fdbd496e-6fdf-4fb3-8c17-c71b45630546
DateTime=2019-10-31T17:49:17.2852159Z
System.AggregateException: One or more errors occurred. ---> Microsoft.ADF.TestService.V2TipException: Pipeline run: fdbd496e-6fdf-4fb3-8c17-c71b45630546 failed with message InternalServerError executing request
at Microsoft.ADF.TestService.V2TipTests.WranglingDataFlowTips.<ExecutewranglingDataFlow_d_15.MoveNext() in M:\INSEAgentAD-004_work\283\s\TestSuites\V2Tips\WranglingDataFlowTip.cs:line 90
--- End of stack trace from previous location where exception was thrown ---
at System.Runtime.ExceptionServices.ExceptionDispatchInfo.Throw()
at System.Runtime.CompilerServices.TaskAwaiter.HandleOnSuccessAndDebuggerNotification(Task task)
at Microsoft.ADF.TestService.V2TipTests.WranglingDataFlowTips.<ExecutewranglingPipelineTest_d_14.MoveNext() in M:\INSEAgentAD-004_work\283\s\TestSuites\V2Tips\WranglingDataFlowTip.cs:line 79

```

2. Get the activity Run ID for the corresponding pipelineRunID

```

ActivityRuns
| where pipelineRunId == ""

```

3. Get the TraceCorrelationId based on ActivityRunID

```
AdfTraceEvent
| where Message contains "468401e3-a48b-476c-bf6c-cc030482396e"
```

4. Use the tracecorrelation id to look for errors in AdfTraceEvents


```
AdfTraceEvent
| where env_time > ago(3h)
| where TraceCorrelationId == "tracecorrelationid"
```

There are two categories of failures

- Requests to power query are failing – UpdateAndEvaluatePQAsync, EvaluatePQAsync.

If we are getting error response from PQ, you can request assistance from PQ on call team below.

Power Query Online\On-Call Engineers

- Spark job execution is failing , job url as below. Get access to workspace subscription using AME account to look at cluster logs. [https://microsoft.sharepoint.com/teams/AzureDataFactory/_layouts/15/Doc.aspx?sourcedoc={ec8bc5ca-bae3-4656-81df-cfd7cc44a482}&action=edit&wd=target\(Azure IR.one|928feb65-eeef-4e32-8dd0-2c9537ce4570%2FSubscription List|cfcc5d5a-2da4-404d-b3a0-b598b0c1cfba%2F\)](https://microsoft.sharepoint.com/teams/AzureDataFactory/_layouts/15/Doc.aspx?sourcedoc={ec8bc5ca-bae3-4656-81df-cfd7cc44a482}&action=edit&wd=target(Azure%20IR.one|928feb65-eeef-4e32-8dd0-2c9537ce4570%2FSubscription%20List|cfcc5d5a-2da4-404d-b3a0-b598b0c1cfba%2F)|) 

DataflowHandler.GetOutputFromSparkRunAsync - activityRunId: 468401e3-a48b-476c-bf6c-cc030482396e, sparkRunId: 21520 - started.
Enter SafeDecryptToken
Leave TryDecryptToken
SparkClusterInfo successfully used to get DataBricksAuthenticationInfo
DataflowHandler.GetDataFlowRunStatusAsync - sparkRunId: 21520, databricksAuthenticationInfo: https://eastus.azuredatabricks.net, systemProper...
Start - DatabricksJobStatusHandler.GetRunStatus
Enter ConvertToDatabricksToken
Leave ConvertToDatabricksToken with Bearer
GetInvokeAsyncWithHttpResponseMessage calling databricks api: https://eastus.azuredatabricks.net:443/api/2.0/jobs/runs/get?run_id=21520
DatabricksJobStatusHandler.GetRunStatus got run status
DatabricksJobStatusHandler.GetRunStatus finalStateToken is null
DatabricksJobStatusHandler.GetRunStatus runPageUrl https://eastus.azuredatabricks.net/?o=7215907875319807#job/21520/run/1
Stop - DatabricksJobStatusHandler.GetRunStatus
DataflowHandler.GetDataFlowRunStatusAsync - sparkRunId: 21520, databricksAuthenticationInfo: https://eastus.azuredatabricks.net, systemProper...
DataflowHandler.GetDataFlowRunStatusAsync - sparkRunId: 21520, databricksAuthenticationInfo: https://eastus.azuredatabricks.net, systemProper...
DataflowHandler.GetOutputFromSparkRunAsync - activityRunId: 468401e3-a48b-476c-bf6c-cc030482396e, sparkRunId: 21520 - finished.
DataflowHandler.GetDataFlowActivityOutputAsync - activityRunId: 468401e3-a48b-476c-bf6c-cc030482396e, systemProperties: SystemProperties...
ConstructAcceptedHttpResponseMessage. Constructed: Accepted with location https://dmeastus2euap.svc.datafactory.azure.com/workflow/activit...
Stop DataFlowActivityProgress2Async. Returning: Accepted.
FailedSparkRunFilterAttribute.OnActionExecutedAsync - actionContext.ActionArguments: activityRunId: 468401e3-a48b-476c-bf6c-cc030482396e cancellationToken: System.Threading.CancellationToken
Validation Client certificate from request

Additional Information:

- Icm References:

- **Author:** svijaya
- **Reviewer:** vimals
- **Keywords:**

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