

ExecutePipeline ran twice even though triggered once by ScheduledTrigger

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

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Issue

We have seen multiple cases recently (Sep 2020) wherein the **ExecutePipeline** activity are called twice, even though triggered once by Scheduled Trigger or EventTrigger.

Run the following query to validate it:

```
PipelineRuns
| where PreciseTimeStamp > datetime(2020-09-07 17:00:01.3119937) and PreciseTimeStamp < datetime(2020-09-07 19
| where subscriptionId =~ "<subscriptionId>"
| where dataFactoryName == "<dataFactoryName>"
| where pipelineName =~ "<PipelineName>"
| where predecessors contains "<TriggerId>"
| project PreciseTimeStamp, subscriptionId, dataFactoryName, runId, pipelineName , ['location'], status, failu
```

You'll notice two pipeline runs with the same runId - most probably, one failed and other succeeded.

Resolution


PG is already aware of this issue and a workitem has been filed to resolve it. This is caused due to requests timing out and retries happening.

NOTE: The most important aspect of ADF is reliability. We want to make sure that customer workloads will successfully complete in production. Since we are operating on connected services, retry logic is key to achieve reliability. The retry logic that can be specified by the customer will kick in when the pipeline fails with UserErrors. For SystemErrors, we have our own internal retry logic to ensure that the pipeline will succeed. In this case, we had a quick network issue when invoking another service, but the execution succeeded on the first retry.

Customer facing message:

The Schedule Trigger created the first run, but due to networking issues such as the request getting dropped or timing out, the trigger retried this call and ended up creating another pipeline run for the same instance. The product team is aware that such transient failures can happen and is working towards making ADF more resilient to such failures and providing a better experience for the customer.

Additional Information:

- **Icm References:** [Icm Link](#) 
- **Author:** vimals
- **Reviewer:** vimals
- **Keywords:**

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