

Why is Customer's pipelines auto cancelling

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Issue

Customer is complaining that the pipelines are auto cancelled after a certain period of time.

Cause

ADF has enabled a feature in the backend which automatically cancels the pipeline after 21 days

How to determine if the pipeline is auto cancelled?

If you need to check how many pipelines are cancelled (**this is in general on how many pipelines got cancelled, not the auto cancellation**), tweak below query and adjust the filters accordingly

```
cluster('adfcus').database('AzureDataFactory').PipelineRuns | union cluster('adfneu').database('AzureDataFacto
| where TIMESTAMP > ago(3d) // adjust your days accordingly
| where start < ago(21d)
| where dataFactoryName =~ "<ADF Name>"
| where pipelineName =~ "<pipeline Name>"
| project runId, ActivityId, status, start, end, TIMESTAMP, duration = end-start
| where status == "Cancelled"
```

Use the Run Ids from the above query to confirm auto-cancellation. Below are some sample queries which can be used to find the pipelines which got auto cancelled.

```
cluster('adfcus').database('AzureDataFactory').AdfTraceEvent | union cluster('adfneu').database('AzureDataFacto
| where TraceCorrelationId== "<PipelineRunId>" // Use the pipeline Run Id which got cancelled
| where Message contains "IsAutoCancel = True and cancelAfterDuration = 30240" //21 ( days ) * 24 ( hours ) *
```

```
cluster('adfcus').database('AzureDataFactory').AdfTraceEvent | union cluster('adfneu').database('AzureDataFacto
| where TIMESTAMP > ago(5d)
| where Message contains "IsAutoCancel = True and cancelAfterDuration = 30240"
| where SubscriptionId = "<Customer's SUBscription Id>"
| summarize dcount(TraceCorrelationId) by dayofmonth(TIMESTAMP)
```