# Alert based on metrics PipelineElapsedTimeRuns isn't triggered

Last updated by | Ranjith Katukojwala | Jun 17, 2022 at 2:46 PM PDT

#### **Contents**

- Issue
- Troubleshooting
- Additional information

#### Issue

Alert based on metrics PipelineElapsedTimeRuns isn't triggered by Azure Monitor even if the condition is met

## **Troubleshooting**

- 1. Obtain the pipeline support files and see if the setting is correctly configured
- 2. Investigate the pipeline running status and see if metrics is processed
- 3. Collaborate with the Azure monitor team and check
  - correctly configured in Azure monitor side
  - Have them (Azure Monitor) check if the condition is evaluated in ASC
- 4. If the ADF side can confirm if metrics are processed in steps 1,2 and 3, you might want to suggest Azure monitor team to file an ICM

**Note** Involve SME as required if the Azure Monitor team requests a further investigation.

Note for step 2 After receiving runld from the customer, inspect the AdfTraceEvent and find below messages that represent metrics that are correctly stored and sent.

```
>cluster('adfcus.kusto.windows.net').database('AzureDataFactory').AdfTraceEvent
 union cluster('adfneu.kusto.windows.net').database('AzureDataFactory').AdfTraceEvent
 where TraceCorrelationId == "b19d263d-766b-4084-af7e-d551e05cbc31"
 where Message contains "ElapsedTimerPipelineAlertAsync" or Message contains "ElapsedTimerPipelineMetricAsync"
 project env time, Message
env time
                Message
```

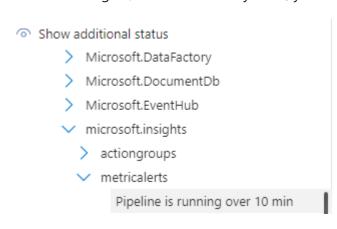
env_time	Message					
2022-06-09 18:26:01.5195619	WorkflowController.ElapsedTimerPipelineAlertAsync[90]: Start - RunId=b19d263d-766b-4084-af7e-d551e05cbc31, pipelineResourceType=Pipeline.					
2022-06-09 18:26:01.5196502	WorkflowHandler.ElapsedTimerPipelineMetricAsync[370]: Start - For runId=b19d263d-766b-4084-af7e-d551e05cbc31.					
2022-06-09 18:26:01.5311462	WorkflowHandler.ElapsedTimerPipelineMetricAsync[382]: Calling ElapsedTime Metric Emit ResourceID: /SUBSCRIPTIONS/ a91421b4a8df/RESOURCEGROUPS/ ANALYTICS/PROVIDERS/MICROSOFT.DATAFACTORY/FACTORIES/I ANALYTICS, sub -a91421b4a8df, rg: ANALYTICS, dfn: ANALYTICS, name:pipeline2, duration:11, region:canadacentral.					
2022-06-09 18:26:01.5405176	WorkflowHandler.ElapsedTimerPipelineMetricAsync[401]: ElapsedTime Metric Logged sucessfully.					
2022-06-09 18:26:01.5405715	WorkflowHandler.ElapsedTimerPipelineMetricAsync[404]: Stop - For runld=b19d263d-766b-4084-af7e-d551e05cbc31.					
2022-06-09 18:26:01.5406154	WorkflowController.ElapsedTimerPipelineAlertAsync[104]: Stop - RunId=b19d263d-766b-4084-af7e-d551e05cbc31.					

### Additional information

Data Factory metrics and alerts <a href="https://docs.microsoft.com/en-us/azure/data-factory/monitor-metrics-alerts">https://docs.microsoft.com/en-us/azure/data-factory/monitor-metrics-alerts</a> <a href="https://docs.microsoft.com/en-us/azur

Deliver service level agreement for data pipelines <a href="https://docs.microsoft.com/en-us/azure/data-factory/tutorial-">https://docs.microsoft.com/en-us/azure/data-factory/tutorial-</a> operationalize-pipelines [2]

In ASC, the Azure monitor team can view how metrics are evaluated and alerts sent under Microsoft.Insights/Execution History. Also, you can see the Geneva logs for the alert.



▼ SUCCESS: EVALUATION COMPLETE - ALERT ACTIVATED - NOTIFICATION SENT									
-	664d1aa8-397f- 486d-9a7c- 6f89d99f6b55	2022-06-17 05:12:16	2022-06-17 05:05:16 - 2022-06- 17 05:09:16	1 timeseries evaluated, 0 timeseries healthy, 1 timeseries unhealthy	COMPLETE	FIRED	<u>logs</u>		
	Monitor Trace Id								
	Execution Start Time	2022-06-17 0	2022-06-17 05:12:16						
	Metric Data Window	2022-06-17 0	2022-06-17 05:05:16 - 2022-06-17 05:09:16						
	Evaluation Result	1 timeseries e	1 timeseries evaluated, 0 timeseries healthy, 1 timeseries unhealthy						
	Evaluation Data	{} -> {"Event 1	{} -> {"Event 1 evaluation": "Event [1 * (+[Sum of Sum of (PipelineElapsedTimeRuns,Sum)]]) >= 1]. Evaluated value 1.", "Events violating						
	Evaluation status	COMPLETE	COMPLETE						
	Alert status	FIRED	FIRED						
	Evaluation Logs		<u>logs</u>						
	Status	SUCCESS : EV	SUCCESS: EVALUATION COMPLETE - ALERT ACTIVATED - NOTIFICATION SENT						
	AMP Confirmed Yes (CorrelationId = 4dc13ab6-0180-4d06-8294-f1bdf449b0f4)								
	Notification Sent From True AMP								
Notification status SENT									

## How good have you found this content?



