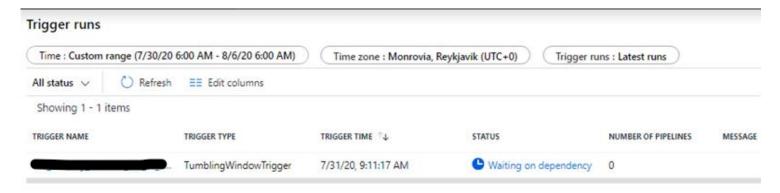
# Tumbling Window Triggers stuck with Waiting on dependency message

Last updated by | Vimal Sharma | Jan 5, 2022 at 7:44 AM PST

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#### Issue

Customer has configured the self-dependency on the Tumbling window trigger and it is not getting executed. When we check the Trigger runs, it's stuck with status "Waiting on dependency".



This issue was caused due to the original Tumbling Window Trigger failed to execute, causing the dependent triggers to stuck in "Waiting on dependency" state.

# Investigation

 Verify customer has configured SelfDependency on the Tumbling Window Trigger by looking at the trigger definition:

2. Query the **AdfTraceEvent** to check the status of the parent trigger:

```
cluster('adfcus').database('AzureDataFactory').AdfTraceEvent | union cluster('adfneu').database('AzureDataFact
 where env time >= ago(5d) and ComponentId == "PipelineManager"
 where TraceCorrelationId == "<PipelineRunId>"
 where Message has "DependencyStatus: "
 project env_time, env_cloud_name, env_cloud_role, env_cloud_deploymentUnit, ComponentId, Message, TraceCorrel
 sort by env time asc
```

**NOTE:** If you don't have the pipelineRunId, you can fetch it using the TriggerId as per this **TSG**.

In our case, we found that the actual trigger failed to execute from the AdfTraceEvent causing dependent triggers to be stuck:

env\_time: 2020-07-31 09:11:24.540

env\_cloud\_name: PMEastus

env\_cloud\_role: PipelineManager.PipelineWebRole env\_cloud\_deploymentUnit: adfpipelinemanager

Componentld: PipelineManager

Message:

TumblingWindowTriggerHandler.IsTriggerRunReadyToStartAsync[598]: triggerId: 08586060250159236497692960660CU76 Is TriggerRun ready to start: False, DependencyStatus: { "(7/17/2020 5:01:00 PM, 7/17/2020 5:11:00 PM)": { "<TumblingWindowTriggerName>": "Failed" } }.

## Resolution

With the new <u>updates</u> 12 to the Tumbling Window Trigger run, customers can cancel or rerun the Tumbling Window Trigger Runs:

Cancel and Rerun Tumbling Window Trigger Run: https://techcommunity.microsoft.com/t5/azure-datafactory/cancel-and-rerun-tumbling-window-trigger-run/ba-p/1815699 2

Cancel Tumbling window run: https://docs.microsoft.com/en-us/azure/data-factory/how-to-create-tumbling-

### **Additional Information:**

• Icm References: Icm Link □

**Author:** vimals Reviewer: vimals

**Keywords:** 

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