Parallel execution in Debug and ExecutePipeline activity scenario

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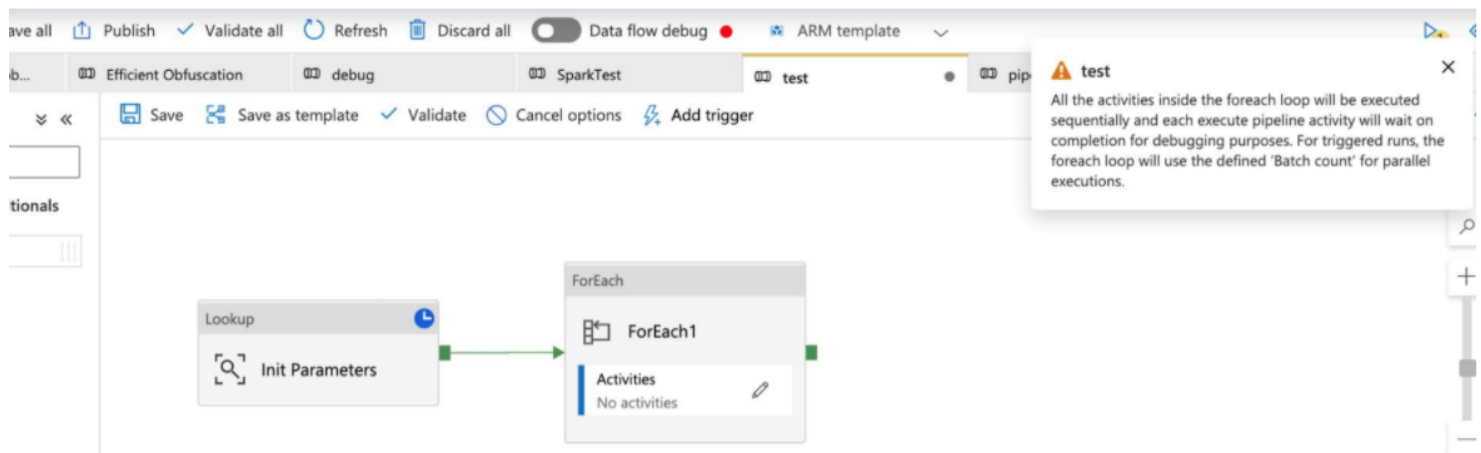

Contents

Issue

Customer getting the following message while calling ForEach during Debug pipeline:

All the activities inside the foreach loop will be executed sequentially and each execute pipeline activity will wait on completion for debugging purposes. For triggered runs, the foreach loop will use the defined 'Batch count' for parallel executions.

Resolution

As per the update from PG:

1. We do NOT support parallelism on debug runs as a design choice. Debug runs are designed to help during authoring and low load testing. Customer should trigger the pipeline.

   In case of Dataflow runs, customer can use "activity runtime" to run activities parallelly:
   https://docs.microsoft.com/en-us/azure/data-factory/iterative-development-debugging#debugging-a-pipeline-with-a-data-flow-activity ⧉

2. We support parallel executions of ForEach iterations for all activities **except** ExecutePipeline activity.

Additional Information:

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

- **Reviewer:** vimals

- **Keywords:**

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