# How to get number of cores for Dataflow from the pipeline

Last updated by | Supreeth Vasudevamurthy | Feb 15, 2023 at 10:06 AM PST

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## Issue

If you want to know how many cores were used for a particular run. This is a use case for performance-related issues.

## Query

- To get how many cores and compute types the customer is using for a sandbox or trigger run, use **ActivityRunId** to run the following query.

```
let RunId = "xxxxxxxxxxxxx";
cluster('adfcus.kusto.windows.net').database('AzureDataFactory').GetComputeTypeAndCoreCount(RunId)
```

The following kind of message can point to which kind of computer type and core-count customer is using.
*"computeType:MemoryOptimized, coreCount:272, nodeCount:0, timeToLive:0 "*

- If Customer has not provided any Run Ids but you have IR name and ADF name, below query works

```
let RunId = toscalar(ActivityRuns| where dataFactoryName contains "<ADF-Name>"
| where activityType contains "dataflow"
| where effectiveIntegrationRuntime contains "<IR-Name>"
| project activityRunId | take 1);
cluster('adfcus.kusto.windows.net').database('AzureDataFactory').GetComputeTypeAndCoreCount(RunId)
```

- If there's no sandbox run and only debug session (i.e. customer just performed some data preview operations), use **activity ID of debug session creation** (Session Id, can get from network trace) instead of **ActivityRunId** and run the same above query.

## Additional Information:

- Icm Reference: N/A
- Author: Anudeep Sharma
- Reviewer: Anudeep Sharma
- Keywords: IR Size, core count, compute type.

## How good have you found this content?