

How to calculate the duration of each cluster

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Issue

How to calculate the duration of each spun-up cluster associated with Dataflow activities?

Query

```
cluster('adfcus.kusto.windows.net').database("AzureDataFactory").ActivityRuns
| where TIMESTAMP >= datetime(2022-08-16) and TIMESTAMP < datetime(2022-08-17)
| where activityType =~ "ExecuteDataflow"
| where dataFactoryId == "ac139894-4536-xxxx-xxxx-xxxxxxxxxxx"
| where status !in ("Queued", "InProgress")
//| where effectiveIntegrationRuntime contains "AzureCluster1-Quick (West Europe)"
| distinct activityRunId, effectiveIntegrationRuntime
| join kind = inner cluster('adfcus.kusto.windows.net').database("AzureDataFactory").DataflowClusterLogs
on $left.activityRunId == $right.ActivityRunId
| distinct ClusterTrackingId, effectiveIntegrationRuntime
| join cluster('adfcus.kusto.windows.net').database("AzureDataFactory").DataflowClusterLogs
on ClusterTrackingId
| summarize duration = max(Timestamp)-min(Timestamp) by ClusterTrackingId,effectiveIntegrationRuntime
```

Recommendation

We charge customers only when the cluster gets recycled. if the cluster has a hard-code life time around 7 days and if the customer keeps using the same cluster for the entire 7 days, the customer won't see huge billing in the first 6 days but might see a spike in billing on the 7th/8th day.

How good have you found this content?

