

Getting Total of Activities Running on a Shared Self-Hosted IR per Data Factory per Worker Node

Last updated by | Nelson Gomes | Dec 20, 2022 at 6:18 AM PST

Contents

- [Subject](#)
- [Steps](#)

Subject

Getting Total of Activities Running on a Shared Self-Hosted IR per Data Factory per Worker Node

Steps

By request from a customer, here's a query that can summarize all the activities running in each node of a multi-node Self-Hosted IR. In this specific case, this is a shared/linked IR, we can summarize this over which Data Factory has pushed the task (activity), providing us the visibility over which Data Factory is responsible for the most SHIR workload:

REQUISITES: ReportIDs retrieved from each Node.

```
let reportIDs= split("fdcd00ce-948a-48cc-939a-2cf83d6cfec0,5677f277-e2df-422f-97cf-9094970a0254,16b7d832-0579-cluster('azuredmprod.kusto.windows.net').database('AzureDataMovement').TraceGatewayLocalEventLog
| where UserReportId in (reportIDs)
| where LocalMessage startswith "Get message"
| extend activityrun=trim_start(" ",extract("Activity ID: ((?s).*)", 1, LocalMessage))
| where LocalTraceSource contains "Integration Runtime (Self-hosted) Worker"
| summarize CountActivities=count() by activityrun, GatewayId, InstanceId
| join kind=leftouter
(
cluster('adfneu.kusto.windows.net').database('AzureDataFactory').ActivityRuns
| where status contains "Queued"
) on $left.activityrun == $right.activityRunId
| summarize TotalOfActivities =count() by dataFactoryName, Worker=InstanceId
| join kind=leftouter
(
cluster('azuredmprod.kusto.windows.net').database('AzureDataMovement').Heartbeats
| summarize count() by AgentInstanceId, AgentInstanceName
) on $left.Worker == $right.AgentInstanceId
| project TotalOfActivities, WorkerName=AgentInstanceName, dataFactoryName
```

Additional information

ICM reference:

- **Author:** marlopes
- **Reviewer:** negome

How good have you found this content?

