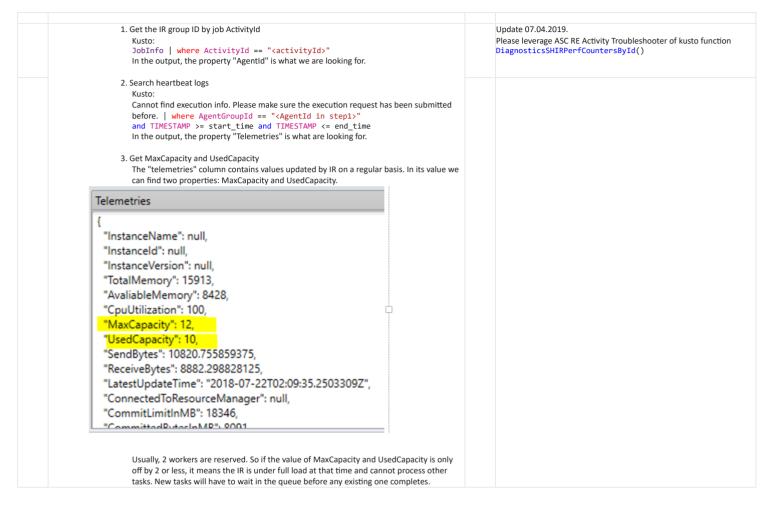# Check if self-host IR is busy from logs

Last updated by | Veena Pachauri | Mar 8, 2023 at 11:10 PM PST

Check if self-host IR is busy from logs

Friday, July 27, 2018
11:40 AM

1. Get the IR group ID by job ActivityId
   Kusto:
   `JobInfo | where ActivityId == "<activityId>"`
   In the output, the property "AgentId" is what we are looking for.

2. Search heartbeat logs
   Kusto:
   Cannot find execution info. Please make sure the execution request has been submitted before. `| where AgentGroupId == "<AgentId in step1>"`
   `and TIMESTAMP >= start_time and TIMESTAMP <= end_time`
   In the output, the property "Telemetries" is what are looking for.

3. Get MaxCapacity and UsedCapacity
   The "telemetries" column contains values updated by IR on a regular basis. In its value we can find two properties: MaxCapacity and UsedCapacity.

Telemetries

```
{
  "InstanceName": null,
  "InstanceId": null,
  "InstanceVersion": null,
  "TotalMemory": 15913,
  "AvaliableMemory": 8428,
  "CpuUtilization": 100,
  "MaxCapacity": 12,
  "UsedCapacity": 10,
  "SendBytes": 10820.755859375,
  "ReceiveBytes": 8882.298828125,
  "LatestUpdateTime": "2018-07-22T02:09:35.2503309Z",
  "ConnectedToResourceManager": null,
  "CommitLimitInMB": 18346,
  "CommittedBytesInMB": 8991
```

Usually, 2 workers are reserved. So if the value of MaxCapacity and UsedCapacity is only off by 2 or less, it means the IR is under full load at that time and cannot process other tasks. New tasks will have to wait in the queue before any existing one completes.

Update 07.04.2019.
Please leverage ASC RE Activity Troubleshooter of kusto function
`DiagnosticsSHIRPerfCountersById()`

Created with Microsoft OneNote 2016.

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