OOM Kill Monitor Investigation

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🎯 https://dbtlabsmt.datadoghq.com/monitors/72795916

- `events("env:*prod* kube_namespace:(ops OR kube-system) -kube_deployment:datadog-agent-cluster-agent -kube_deployment:datadog-agent OOM").rollup("count").by("kube_cluster_name,env").last("30m") >= 1`
- One hit in the past week

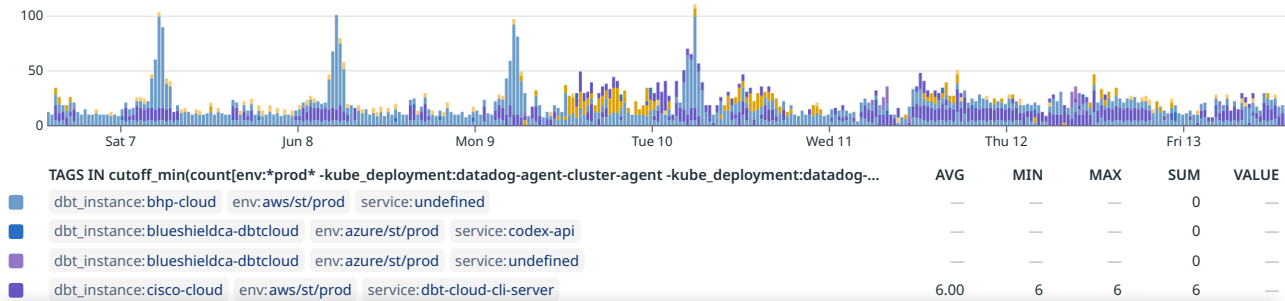🎯 https://dbtlabsmt.datadoghq.com/monitors/172052778

- `events("env:*prod* -kube_deployment:datadog-agent-cluster-agent -kube_deployment:datadog-agent source:oom_kill").rollup("count").by("env,dbt_instance,service").last("30m") >= 5`
- Too noisy for one team; need to find a way to alert per owning team by service.
  - https://www.opsmatters.com/videos/use-template-variables-create-dynamic-monitor-notifications suggests aligning alert channel names to monitor tag values (by team in the example, but could be by service)
  - Would either need a map for team to service, OR the datadog teams owner defined in the software catalog (and passed through somehow)

`env:*prod* kube_namespace:(ops OR kube-system) -kube_deployment:datadog-agent-cluster-agent -kube_deployment:datadog-agent OOM $dbt_inst`

`env:*prod* -kube_deployment:datadog-agent-cluster-agent -kube_deployment:datadog-agent OOM $dbt_instance $service`

TAGS IN cutoff_min(count[env:*prod* -kube_deployment:datadog-agent-cluster-agent -kube_deployment:datadog-...	AVG	MIN	MAX	SUM	VALUE
🟦 dbt_instance:bhp-cloud env:aws/st/prod service:undefined	—	—	—	0	—
🟦 dbt_instance:blueshieldca-dbtcloud env:azure/st/prod service:codex-api	—	—	—	0	—
🟪 dbt_instance:blueshieldca-dbtcloud env:azure/st/prod service:undefined	—	—	—	0	—
🟪 dbt_instance:cisco-cloud env:aws/st/prod service:dbt-cloud-cli-server	6.00	6	6	6	—

Prod OOM Kill Event Details for dbt_instance:* service:*

SOURCE	TITLE	DATE
	ERROR **Process OOM Killed: oom_kill_process called on dbt (pid: 1558479)** via oom kill Process dbt (pid: 1558479, oom_score: 3258167, oom_score_adj: 977) triggered an OOM kill on itself. The process had reached 168… host:**i-035881f7ba074a134** source:**oom_kill** kernel:**none** env:**aws/mt/prod** security-group:**sg-04aee42746690cb66** short_imag… +48	Jun 13, 2:01 pm
	ERROR **Process OOM Killed: oom_kill_process called on dbt (pid: 1543284)** via oom kill Process dbt (pid: 1543284, oom_score: 864578, oom_score_adj: 996) triggered an OOM kill on itself. The process had reached 4608… host:**i-0fde742ae77187b3e** source:**oom_kill** kernel:**none** env:**aws/mt/prod** security-group:**sg-04aee42746690cb66** short_imag… +48	Jun 13, 2:00 pm
	ERROR **Process OOM Killed: oom_kill_process called on python (pid: 1393367)** via oom kill Process python (pid: 1393367, oom_score: 1050898, oom_score_adj: 992) triggered an OOM kill on itself. The process had reached …	Jun 13, 1:59 pm