openQA Infrastructure - action #73246

[osd-admins][alert] openqaworker8: Memory usage alert

2020-10-12 14:14 - okurz

Status:	Resolved		**Start date:**	2020-10-12
Priority:	High		**Due date:**	2020-10-23
Assignee:	okurz		**% Done:**	0%
Category:			**Estimated time:**	0.00 hour
Target version:	Ready			

Description

Observation

```
*/[Alerting] openqaworker8: Memory usage alert/*
```

```
*Metric name*
*Value*
available
1927805952.000
```

http://stats.openqa-monitor.qa.suse.de/d/WDopenqaworker8/worker-dashboard-openqaworker8?fullscreen&edit&tab=alert&panelId=12054&orgId=1

Suddenly our memory usage seems have grown excessively on that host. Checking processes on the worker I found multiple openQA tests with 32GB of RAM for qemu VMs. Taking a look into one pool dir I found the job https://openqa.suse.de/tests/4810245 which is a qam sap hana multi-machine test.

Related issues:

Related to openQA Infrastructure - action #73405: job incompletes with "(?s)o...		**Resolved**	**2020-10-15**

History

#1 - 2020-10-12 14:16 - okurz

- Status changed from New to In Progress

- Assignee set to okurz

- Priority changed from Urgent to High

- Target version set to Ready

I stopped the alert for the memory usage alert and will try to find who might help us here.

#2 - 2020-10-12 14:24 - okurz

- Due date set to 2020-10-23

- Status changed from In Progress to Blocked

wrote an email to openqa@suse.de and qa-maintenance@suse.de, wait for corresponding response on mailing list.

#3 - 2020-10-13 10:10 - okurz

we also see this problem in auto-review now, e.g. https://openqa.suse.de/tests/4810157#comments

#4 - 2020-10-15 11:57 - okurz

*- Related to action #73405: job incompletes with "(?s)openqaworker8.*terminated prematurely.*OpenCV Error: Insufficient memory" added*

#5 - 2020-10-15 13:21 - okurz

- Status changed from Blocked to In Progress

have created https://gitlab.suse.de/openqa/salt-pillars-openqa/-/merge_requests/266 to reduce the number of worker instances.

EDIT: Looking in the audit log if I could identify who could have added or extended the test schedule or increased the memory usage a lot. Also asked a person in https://chat.suse.de/channel/testing?msg=kA8jfTPzocpRrbN2B who might have done that as I could not easily identify who just changed

job templates and/or who changed actually something about the scenario "qam-sles4sap_hana".

Merged the above MR. As currently the CI pipeline does not trigger after merge I need to do that manually:

```
ssh osd
cd /srv/pillar/
git pull --rebase origin master
salt -l error --state-output=changes 'openqaworker[89]*' state.apply test=True
salt -l error --state-output=changes 'openqaworker[89]*' state.apply
salt -l error --state-output=changes 'openqaworker[89]*' cmd.run 'systemctl disable --now openqa-worker@{21..2
4}; systemctl mask openqa-worker@{21..24}'
```

EDIT: gladly jadamek has responded and pulled me into https://chat.suse.de/channel/asg-qe.maintenance?msg=dinTixBAZSKfMhrz6 where we also try to address the question.

#6 - 2020-10-17 20:41 - okurz

- Status changed from In Progress to Resolved

memory usage looks ok the past days so I unpaused the alert https://stats.openqa-monitor.qa.suse.de/d/WDopenqaworker8/worker-dashboard-openqaworker8?orgId=1&panelId=12054&fullscreen&edit&tab=alert &refresh=1m again.

jadamek stated that the improved the mentioned test cluster to use less RAM for the individual machines as well as not use the 32GB RAM machine for the "supportserver" but the default "64bit" one with less RAM. This should also help.

#7 - 2020-11-19 13:17 - jadamek

This new configuration should help to improve the situation https://gitlab.suse.de/openqa/salt-pillars-openqa/-/merge_requests/277