

openQA Infrastructure - action #75238

coordination # 69478 (Blocked): [epic] Upgrade o3+osd workers+webui to openSUSE Leap 15.2

Upgrade osd workers and openqa-monitor to openSUSE Leap 15.2

2020-10-24 11:50 - okurz

Status:	Resolved	Start date:	
Priority:	High	Due date:	
Assignee:	cdywan	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	Ready		

Description

Motivation

- Need to upgrade workers before EOL of Leap 15.1 and have a consistent environment

Acceptance criteria

- **AC1:** all osd worker machines run a clean upgraded openSUSE Leap 15.2 (no failed systemd services, no left over .rpm-new files, etc.)
- **AC2:** openqa-monitor runs openSUSE Leap 15.2

Suggestions

- read <https://progress.opensuse.org/projects/openqav3/wiki#Distribution-upgrades>
- Reserve some time when the workers are only executing a few or no openQA test jobs
- Keep IPMI interface ready and test that Serial-over-LAN works for potential recovery
- After upgrade reboot and check everything working as expected, if not rollback, e.g. with snapper rollback

Further details

- Don't worry, everything can be repaired :) If by any chance the worker gets misconfigured there are btrfs snapshots to recover, the IPMI Serial-over-LAN, a reinstall is possible and not hard, there is no important data on the host (it's only an openQA worker) and there are also other machines that can jobs while one host might be down for a little bit longer. And okurz can hold your hand :)
- for reference the upgrade to openSUSE Leap 15.1 was described [#55607](#)

Related issues:

Related to openQA Project - action #78390: Worker is stuck in "broken" state ...	Resolved	2021-01-18
Related to openQA Infrastructure - action #81046: openqaworker-arm-2.suse.de ...	Resolved	2020-12-15
Related to openQA Infrastructure - action #68053: powerqaworker-qam-1 fails t...	Resolved	2020-06-14
Related to openQA Infrastructure - action #75016: [osd-admins][alert] Failed ...	Resolved	2020-10-21

History

#1 - 2020-10-24 11:51 - okurz

- Subject changed from Upgrade osd workers to openSUSE Leap 15.2 to Upgrade osd workers and other machines, e.g. monitoring, to openSUSE Leap 15.2

#2 - 2020-10-24 11:54 - okurz

- Status changed from New to Workable

#3 - 2020-11-04 20:39 - okurz

- Status changed from Workable to Blocked

- Assignee set to okurz

let's wait for the corresponding o3 ticket first

#4 - 2020-11-27 15:53 - okurz

- Status changed from Blocked to Workable
- Assignee deleted (okurz)

o3 is good, this can be followed

#5 - 2020-12-02 12:08 - okurz

- Description updated

#6 - 2020-12-09 13:43 - cdywan

- Assignee set to cdywan

#7 - 2020-12-09 16:37 - cdywan

- Subject changed from Upgrade osd workers and other machines, e.g. monitoring, to openSUSE Leap 15.2 to Upgrade osd workers and openqa-monitor to openSUSE Leap 15.2
- Description updated

For reference:

- I'm using sudo salt -C 'G@roles:worker' cmd.run 'grep VERSION= /etc/os-release' to check what workers need to be upgraded
- Also monitor.qa.suse.de

That leaves only openqa.suse.de which is covered by [#75244](#)

#8 - 2020-12-09 19:39 - cdywan

- Status changed from Workable to In Progress

- DONE openqaworker2
 - installed screen
- DONE openqaworker5
 - Got stuck installing dpdk-kmp-default, good after second zypper run
 - var-lib-openqa-share.mount loaded failed failed /var/lib/openqa/share after reboot
 - Ran sudo systemctl restart var-lib-openqa-share.mount
- DONE openqa-monitor
 - zypper succeeded on the second attempt (refreshes are racy I guess)
- DONE openqaworker6
- DONE openqaworker8
 - zypper upgrade went fine.
 - var-lib-openqa-share.mount loaded failed failed /var/lib/openqa/share after reboot
 - Ran sudo systemctl restart var-lib-openqa-share.mount

DONE implies I checked that workers show up on <https://openqa.suse.de/admin/workers> and picked up jobs

#9 - 2020-12-09 22:03 - cdywan

- DONE openqaworker9
- DONE openqaworker10
 - Had to run sudo systemctl restart var-lib-openqa-share.mount
 - installed htop
 - not online, no jobs picked up yet
 - systemctl restart openqa-worker@[1..10] to remedy [#78390](#)
- DONE openqaworker13
 - Had to run sudo systemctl restart var-lib-openqa-share.mount here as well
- DONE QA-Power8-5-kvm.qa.suse.de
 - connection refused after reboot, stuck in petitboot
 - kexec -l /var/petitboot/mnt/dev/sda2/boot/vmlinuz --initrd=/var/petitboot/mnt/dev/sda2/boot/initrd --append="root=UUID=ebe647f-e867-416e-a0fa-7a6732bfcf9d console=tty0 console=ttyS1,115200 nospec" && kexec -e made it as far as dracut
 - Tried again, this time with the right device ID (but not me, so no log of the command)
- DONE QA-Power8-4-kvm.qa.suse.de
 - connection refused after reboot, stuck in petitboot, kexec load failed
 - kexec -l /var/petitboot/mnt/dev/sdb2/boot/vmlinuz --initrd=/var/petitboot/mnt/dev/sdb2/boot/initrd --append="root=UUID=ebe647f-e867-416e-a0fa-7a6732bfcf9d console=tty0 console=ttyS1,115200 nospec" && kexec -e resulted in a

- successful boot
- Installed htop
- kdump.service loaded failed failed Load kdump kernel and initrd after reboot
- [#56588#note-9](#) talks about disabling kdump - still I had to re-disable it via `sudo systemctl disable --now kdump && sudo systemctl reset-failed`
- Online, not picking up jobs yet
- DONE grenache-1
 - not online, no jobs picked up yet
 - see [#78390](#)

#10 - 2020-12-10 09:24 - cdywan

- Related to action [#78390](#): Worker is stuck in "broken" state due to unavailable cache service (was: and even continuously fails to (re)connect to some configured web UIs) added

#11 - 2020-12-10 13:11 - cdywan

- Status changed from In Progress to Feedback

#12 - 2020-12-14 10:17 - cdywan

- Status changed from Feedback to In Progress

cdywan wrote:

For reference:

- I'm using `sudo salt -C 'G@roles:worker' cmd.run 'grep VERSION= /etc/os-release'` to check what workers need to be upgraded
- Also monitor [qa.suse.de](#)

That leaves only [openqa.suse.de](#) which is covered by [#75244](#)

@Xiaojing_liu made me aware that I missed [malbec.arch.suse.de](#), [openqaworker-arm-1.suse.de](#) and [openqaworker-arm-2.suse.de](#), probably due to machines being down ☐☐

#13 - 2020-12-14 19:34 - cdywan

- Status changed from In Progress to Feedback

- WIP [malbec.arch.suse.de](#)
 - Stuck in petitboot after reboot
 - PXE autoconfiguration failed
 - `netboot` fails with `load_kernel: /tmp/pb-2eSo7l is not a 64bit PowerPC executable`
 - None of the entries mentioned in [#80656#note-9](#) are visible.
 - Booted via a new entry with `/boot/vmlinuz` and `/boot/initrd` on `sd1` with `nomodeset console=hvc console=tty`.

[FAILED] Failed to mount `/var/lib/openqa/share`.

[FAILED] Failed to start Load kdump kernel and initrd.

`systemctl disable --now kdump && sudo systemctl reset-failed`

- Mounting `/var/lib/openqa/share` looks to have succeeded afterall.
- Worker is registered

- WIP [openqaworker-arm-2.suse.de](#)

- was ready to reboot
- got unresponsive and was rebooted (by someone else?)

- WIP [openqaworker-arm-1.suse.de](#) ready to reboot

#14 - 2020-12-15 00:14 - cdywan

- Related to action [#81046](#): [openqaworker-arm-2.suse.de](#) unreachable added

#15 - 2020-12-15 10:24 - cdywan

- DONE malbec.arch.suse.de afterall
- DONE openqaworker-arm-2.suse.de
 - See [#81046](#)
- DONE openqaworker-arm-1.suse.de

#16 - 2020-12-16 09:48 - cdywan

Still open:

- openqaworker-arm-3.suse.de, see [#75016](#)
- powerqaworker-qam-1, see [#68053](#)

#17 - 2020-12-16 09:49 - cdywan

- Related to action [#68053](#): powerqaworker-qam-1 fails to come up on reboot (repeatedly) added

#18 - 2020-12-16 09:49 - cdywan

- Related to action [#75016](#): [osd-admins][alert] Failed systemd services alert (workers): os-autoinst-openvswitch.service (and var-lib-openqa-share.mount) on openqaworker-arm-2 and others added

#19 - 2020-12-16 11:01 - cdywan

- Status changed from Feedback to Blocked

#20 - 2020-12-18 09:33 - cdywan

- DONE openqaworker-arm-3.suse.de
 - Rebooted while there were no jobs running

#21 - 2020-12-18 11:59 - cdywan

- Status changed from Blocked to In Progress

- DONE powerqaworker-qam-1.qa.suse.de

#22 - 2020-12-18 14:50 - cdywan

- Status changed from In Progress to Feedback

#23 - 2020-12-20 20:22 - okurz

- Status changed from Feedback to Resolved

ssh osd "sudo salt '*' cmd.run 'grep VERSION /etc/os-release'" returns 15.2 for all machines that are currently in salt :) staging machines are left as an exercise to the next users :D Do you agree to set this to Resolved?

#24 - 2020-12-22 13:35 - cdywan

okurz wrote:

ssh osd "sudo salt '*' cmd.run 'grep VERSION /etc/os-release'" returns 15.2 for all machines that are currently in salt :) staging machines are left as an exercise to the next users :D Do you agree to set this to Resolved?

Ack. I wouldn't consider *staging* as part of *osd* and this ticket for that matter. Although I might just sort those out when nobody's looking, I practically remember the steps by heart now ☺☺