

openQA Infrastructure - action #94318

<http://jenkins.qa.suse.de> not reachable

2021-06-21 09:19 - okurz

Status:	Resolved	Start date:	2021-04-26
Priority:	Urgent	Due date:	
Assignee:	okurz	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	Ready		
Description			
Acceptance criteria			
• AC1: http://jenkins.qa.suse.de/ reachable again showing proper jenkins web UI			
Related issues:			
Copied from openQA Project - action #91752: jenkins: Multiple missing fields ...		Resolved	2021-04-26

History

#1 - 2021-06-21 09:19 - okurz

- Copied from action #91752: jenkins: Multiple missing fields and errors in configuration of openQA-in-openQA added

#2 - 2021-06-21 09:19 - okurz

Did sudo su and found with df -h that / is full. Did snapper ls

#	Type	Pre #	Date	User	Used Space	Cleanup	Description	Userd
0	single			root			current	
1*	single		Thu Oct 19 19:40:57 2017	root	105.70 MiB		first root filesystem	
184	pre		Mon May 17 12:45:23 2021	root	93.90 MiB	number	zypp(zypper)	important=yes
185	post	184	Mon May 17 12:46:46 2021	root	8.89 MiB	number		important=yes
208	pre		Sun Jun 6 12:45:22 2021	root	4.31 MiB	number	zypp(zypper)	important=yes
209	post	208	Sun Jun 6 12:46:14 2021	root	15.76 MiB	number		important=yes
216	pre		Sun Jun 13 03:00:07 2021	root	2.08 MiB	number	zypp(zypper)	important=no
217	post	216	Sun Jun 13 03:00:25 2021	root	2.05 MiB	number		important=no
218	pre		Sun Jun 20 03:00:24 2021	root	88.91 MiB	number	zypp(zypper)	important=yes

Did snapper rm 184-217 to get some space. After that did mount -o rw,remount / and triggered a zypper dup to ensure a consistent upgraded step.

I also encountered a process running wild:

```
6958 jenkins B4 20 0 3510M 1646M 640 D 845 N/A 23.9 83.2 1:27.14 /usr/bin/perl /usr/share/op
enqa/script/client --host https://openqa.opensuse.org jobs/
```

eating up all memory.

The problem about the accumulating space could be mainly due to big updates especially kernel updates where old versions are never deleted because we do not automatically reboot so we need automatic reboots triggered.

Using <https://github.com/okurz/scripts/blob/master/opensuse-install-auto-update> I extended /etc/cron.d/auto-update now with && needs-restarting --reboot hint >/dev/null || (command -v rebootmgrctl >/dev/null && rebootmgrctl reboot ||:) > /etc/cron.d/auto-update to trigger a reboot when updates demand it. Also did systemctl enable --now rebootmgr and triggered an explicit reboot now.

After the reboot the older kernel versions have been removed, so that only two versions (current and previous) remain. But / is still 99% used. I think it's problematic that the filesystem layout is still old and /var/lib/jenkins is not on a subvolume so its content will be included in every snapshot.

So creating a new btrfs subvol and moving the existing content there:

```
systemctl stop jenkins
mount /dev/sda2 -o subvol=@ /mnt
btrfs subvol create /mnt/var/lib/jenkins
echo 'UUID=0b8a4aea-1f96-4b60-b305-57a7317d0067 /var/lib/jenkins btrfs subvol=@/var/lib/jenkins 0 0' >> /etc/fstab
mv /var/lib/jenkins/* /mnt/var/lib/jenkins/
umount /mnt
```

and now trying to reclaim more space, e.g. with `systemctl start btrfs-balance btrfs-scrub btrfs-trim`

#3 - 2021-06-21 10:00 - okurz

- *Status changed from New to Resolved*

That reclaimed a bit. I also deleted manually some older logfiles in `/var/log`. Now we have

Filesystem	Size	Used	Avail	Use%	Mounted on
/dev/sda2	38G	29G	9.3G	76%	/

that should suffice for some time