

openQA Infrastructure - action #88546

coordination # 64746 (Blocked): [saga][epic] Scale up: Efficient handling of large storage to be able to run current tests efficiently but keep big archives of old results

coordination # 80546 (Blocked): [epic] Scale up: Enable to store more results

Make use of the new "Storage Server", e.g. complete OSD backup

2021-02-12 18:50 - okurz

Status: Blocked	Start date:
Priority: Normal	Due date:
Assignee: okurz	% Done: 0%
Category:	Estimated time: 0.00 hour
Target version: Ready	
Description	
Acceptance criteria	
<ul style="list-style-type: none">• AC1: The SUSE QA storage server is used within our production and we (the team) know what is used for	
Suggestions	
<ul style="list-style-type: none">• Ask nsinger where to connect to, what steps to start with? The hostname is storage.qa.suse.de• Try to connect to storage.qa with the same credentials as for osd machines maintained with salt, e.g. just ssh with your user should work SSH access should work at this point• Add changes and make sure the changes are in salt<ul style="list-style-type: none">◦ When populating the btrfs filesystem storage.qa.suse.de:/storage it would make sense to create dedicated subvolumes for different things<ul style="list-style-type: none">▪ e.g. do a full or partial backup of OSD▪ e.g. mount storage.qa.suse.de:/storage on OSD and configure the archiving feature to use it• What is included in a complete OSD backup?: To be answered by #96269• Also include postgres? okurz: No, to be covered by #94015• Which backups solution to use, e.g. rsnapshot?: okurz: Yes, use rsnapshot, same as we currently do on backup.qa.suse.de already	
Further details	
If we try to conduct a "complete OSD backup" by this we can also learn the performance impact, e.g. how long does it initially take to synchronize, how long does it take to do individual, e.g. daily syncs	
Related issues:	
Related to openQA Infrastructure - action #92701: backup of etc/ from both o3...	Resolved 2021-05-14 2021-06-30
Related to openQA Infrastructure - action #44078: Implement proper backups fo...	Workable 2018-11-20
Blocks openQA Project - action #92788: Use openQA archiving feature on osd si...	Blocked
Copied from openQA Infrastructure - action #69577: Handle installation of the...	Resolved 2020-08-04
Copied to openQA Infrastructure - action #96269: Define what a "complete OSD ...	Blocked 2021-07-29

History

#1 - 2021-02-12 18:50 - okurz

- Copied from action #69577: Handle installation of the new "Storage Server" added

#2 - 2021-03-12 11:04 - cdywan

Could we add some suggestions here and make it *Workable*? Like where to connect to, what steps to start with?

#3 - 2021-03-12 12:12 - okurz

- Description updated

- Status changed from New to Workable

Yes, we should. I can't do much on that on my own though. nsinger knows more

#4 - 2021-04-19 08:39 - okurz

- Description updated

#5 - 2021-04-19 08:40 - okurz

- Description updated

#6 - 2021-04-19 08:40 - okurz

- Description updated

#7 - 2021-05-31 14:17 - mkittler

Now with the archiving feature enabled one could try to mount storage.qa.suse.de:/storage on OSD and configure the archiving feature to use it.

#8 - 2021-06-01 15:04 - mkittler

- Related to action #92701: backup of etc/ from both o3 was not working since some days due to OOM on backup.qa.suse.de (was: ... and osd not updated anymore since 2019) added

#9 - 2021-06-01 15:14 - mkittler

- Description updated

I've been updating the ticket description:

- There's an overlap between this ticket and #92701. I suppose if we opt for the full backup of OSD here we wouldn't need #92701 anymore. It also leads to the idea of only backing up /etc (and maybe some other important directories) first.
- It looks like /storage on storage.qa.suse.de is using btrfs. That makes sense and I suppose if we populate it with various things, e.g. an archive or backups we should create an own subvolume for these.

#10 - 2021-06-01 19:05 - mkittler

- Status changed from Workable to In Progress

- Assignee set to mkittler

Now since we have the archiving feature enabling it is likely the easiest use of the storage server so I'll start with that.

#11 - 2021-06-02 06:00 - openqa_review

- Due date set to 2021-06-16

Setting due date based on mean cycle time of SUSE QE Tools

#12 - 2021-06-02 09:27 - mkittler

SR: https://gitlab.suse.de/openqa/salt-states-openqa/-/merge_requests/501

#13 - 2021-06-09 06:40 - okurz

before we accept the MR we should do #91779 first. Also see the problem of this morning about storage.qa: #93683

#14 - 2021-06-09 19:32 - okurz

We need to rethink. With https://gitlab.suse.de/openqa/salt-states-openqa/-/merge_requests/501 storage.qa.suse.de would become a critical component. So far what we have is a central VM that is backed by multiple levels of high-grade redundancy which we can see confirmed in years of flawless availability. And all the workers combined also provide built-in redundancy with our scheduling algorithm. The physical machine storage.qa.suse.de shows the single point of failure as visible in #93683. I still see using storage.qa.suse.de as backup target as a good first approach. And I recommend to do that *first*. For the archiving feature we can still make use of that immediately as on osd we have expensive+fast and cheap+slow storage to be used

EDIT: Because we talked about if rsnapsnot supports btrfs snapshots. The gentoo wiki mentions <http://web.archive.org/web/20190910001551/http://it.werther-web.de/2011/10/23/migrate-rsnapsnot-based-backup-to-btrfs-snapshots/> (the original page yields 404)

#15 - 2021-06-18 10:01 - mkittler

- Status changed from In Progress to Workable

#16 - 2021-06-24 12:49 - mkittler

- Assignee deleted (mkittler)

I haven't progressed here since we decided to focus on [#92701](#) first. I'm unassigning because I won't be able to work on this until next Tuesday.

#17 - 2021-06-28 11:45 - okurz

- Due date deleted (2021-06-16)

#18 - 2021-07-06 07:10 - okurz

- Status changed from Workable to New

moving all tickets without size confirmation by the team back to "New". The team should move the tickets back after estimating and agreeing on a consistent size

#19 - 2021-07-15 11:23 - okurz

- Blocks action #92788: Use openQA archiving feature on osd size:S added

#20 - 2021-07-29 11:22 - ilausuch

- Description updated

We need to answer the two last questions in suggestions section before do it workable

#21 - 2021-07-29 11:52 - okurz

- Copied to action #96269: Define what a "complete OSD backup" should or can include added

#22 - 2021-07-29 11:55 - okurz

- Description updated

#23 - 2021-07-29 12:03 - okurz

- Related to action #44078: Implement proper backups for o3 size:M added

#24 - 2021-07-29 12:04 - okurz

- Status changed from New to Blocked

- Assignee set to okurz

[#44078](#) first