

openQA Project - action #92344

action # 92338 (Resolved): [Alerting] File systems alert, / on osd

many temp-folders left over from live openQA jobs, regression?

2021-05-08 03:51 - okurz

Status:	Resolved	Start date:	2021-05-08
Priority:	High	Due date:	2021-06-02
Assignee:	mkittler	% Done:	0%
Category:	Concrete Bugs	Estimated time:	0.00 hour
Target version:	Ready		
Difficulty:			

Description

Observation

In my investigation for [#92338](#) I found that a directory like /tmp/FOWvYnWzKt from 2021-03-24 05:45, the first non-empty directory, has a content:

```
1616561148_719579.png autoinst-log-live.txt last.png serial-terminal-live.txt
```

this looks more like a regression in openQA or some dependency. And there are many like these:

```
openqa:/tmp # find -name 'autoinst-log-live.txt' | wc -l
3216
```

Acceptance criteria

- **AC1:** No temporary folders with data from live openQA jobs left over after jobs ended and were completely processed

Acceptance tests

- **AT1-1:** on osd test $\$(find -name 'autoinst-log-live.txt' -mtime 1 | wc -l) == 0$

Suggestions

Research if there was a corresponding change in openQA or package updates on 2021-03-24 or in before.

Related issues:

Related to openQA Project - action #59391: Prevent depletion of space on /tmp...

Resolved

2019-11-13

2020-05-15

History

#1 - 2021-05-14 09:13 - mkittler

- Assignee set to mkittler

I've just had a quick look and couldn't find any place where we would actually ever delete the temporary directory. However, there's a comment # TODO: cleanup previous tmpdir which should likely be implemented.

#2 - 2021-05-14 09:18 - coolo

Fixing the config for systemd-tmpfiles is actually much easier than finding all places where tmp files are generated. Taking that processes can be interrupted, reaching 0 is unlikely this way anyway

#3 - 2021-05-14 09:23 - coolo

```
May 14 11:20:29 openqa systemd-tmpfiles[824]: [/etc/tmpfiles.d/tmp.conf:10] Duplicate line for path "/tmp", ignoring.
```

```
May 14 11:20:29 openqa systemd-tmpfiles[824]: [/etc/tmpfiles.d/tmp.conf:11] Duplicate line for path "/var/tmp", ignoring.
```

There is your problem. Split tmp.conf into fs-tmp.conf and fs-var-tmp.conf (and remove the references to /tmp/systemd) and you should be set

#4 - 2021-05-14 10:23 - mkittler

Ah, we have already a config for that. Using systemd-tmpfiles makes sense, indeed. Then I'll fix it. Maybe it makes still sense to get rid of the TODO comment because it suggest that this would be handled directly within our code.

#5 - 2021-05-14 10:35 - coolo

well, you can still try to find a 80% solution within the code - but I don't think that's High priority. The High comes from the broken tmpfiles config.

And if you wonder "but where did this regression come from?": <https://build.suse.de/request/show/235608> was released 2 months ago. Creating fs-tmp.conf and as such disabling your tmp.conf as duplicate

#6 - 2021-05-14 12:02 - mkittler

I've been splitting the files and removed the tmp.conf file completely because the remaining systemd related paths/config doesn't differ from the one under /usr/lib/tmpfiles.d/ (provided by the filesystem package). After restarting systemd-tmpfiles-clean.service the log messages are indeed gone. Should I add this kind of config to salt? The old tmp.conf wasn't in salt either. (SR: https://gitlab.suse.de/openqa/salt-states-openqa/-/merge_requests/488)

I've also checked on o3 where we've got the same problem plus an override for the web UI's temp dir. I've did the splitting there as well.

#7 - 2021-05-14 12:03 - mkittler

- Status changed from Workable to Feedback

#8 - 2021-05-14 21:15 - okurz

- Related to action #59391: Prevent depletion of space on /tmp due to mojo.tmp files from os-autoinst added

#9 - 2021-05-14 21:22 - okurz

I merged https://gitlab.suse.de/openqa/salt-states-openqa/-/merge_requests/488 . Please keep in mind #59391 where we already added tmpfile config but subsequently removed it again after a "tmpfile leak" in openQA was fixed. Not sure why we (or maybe just me) decided to remove the tmpfile handling again.

#10 - 2021-05-17 08:23 - mkittler

Looks like the change worked.

The other ticket is about the worker host. I can still try to avoid the tmpfiles in the code. It would be easy to cleanup at least of the tmpfile of a worker's previous job before starting a new one.

#11 - 2021-05-17 09:17 - okurz

mkittler wrote:

Looks like the change worked.

The other ticket is about the worker host. I can still try to avoid the tmpfiles in the code. It would be easy to cleanup at least of the tmpfile of a worker's previous job before starting a new one.

Yes, the other ticket is about the worker, so only "remotely related". If you see something that could be done about tmpfiles on the central webUI instance then you can do that as part of this ticket. For anything on the worker I suggest another ticket which we do not need to care about soon.

#12 - 2021-05-18 10:17 - okurz

- Status changed from Feedback to In Progress

So as discussed we can try to cover the comment "# TODO: cleanup previous tmpdir", [mkittler](#) please do that

#13 - 2021-05-18 12:15 - mkittler

PR for that: <https://github.com/os-autoinst/openQA/pull/3905>

#14 - 2021-05-19 04:14 - openqa_review

- Due date set to 2021-06-02

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

#15 - 2021-05-19 09:37 - mkittler

- Status changed from In Progress to Resolved

The PR has been merged.