openQA Tests - action #11432

Feature 312751: snapper: cleanup rules based on free space and/or fill-level

2016-04-01 12:46 - maritawerner

Status:	Resolved		**Start date:**	2016-04-01
Priority:	Urgent		**Due date:**	
Assignee:	dgutu		**% Done:**	100%
Category:	New test		**Estimated time:**	0.00 hour
Target version:	Milestone 3			
Difficulty:				

Description
For details see https://fate.suse.com/312751
First check if the Feature status is "done".
Description:
During a discussion in the Beta tester group we found that it would be useful not only cleanup btrfs snapshots based on "age", but also depending on the filesystem's fill-level and/or free space

Related issues:			
Related to openQA Tests - action #15036: snapper_cleanup dies with a referenc...		**Resolved**	**2016-11-25**

History

#1 - 2016-04-04 13:08 - dgutu

- Assignee set to dgutu

#2 - 2016-04-06 16:18 - RBrownSUSE

- Target version set to 168

#3 - 2016-04-20 07:09 - dgutu

- Status changed from New to In Progress

#4 - 2016-05-06 07:49 - dgutu

Testcase for this feature:
http://crocodile.qa.suse.cz/tests/3105

#5 - 2016-05-09 08:02 - dgutu

- % Done changed from 0 to 30

Test is present but I'd like to have a review from @Rich

#6 - 2016-05-24 08:21 - dgutu

- % Done changed from 30 to 80

PR is done but Olive suggested to try the test on TW.
TW by default sets separate /home and root so for my test the / of 10 Gb is too small.
On SLES /home resides on / and test is running fine.

Suggestions?

#7 - 2016-05-24 08:31 - okurz

PR in question: https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/1386

only enable the tests for SLES then for now.

#8 - 2016-05-30 12:53 - okurz

- Target version changed from 168 to Milestone 3

#9 - 2016-07-11 13:51 - RBrownSUSE

- Priority changed from Normal to Urgent

#10 - 2016-08-03 07:09 - dgutu

Something doesn't work in this snapper cleanup algorithm.
Could be that the HDD of 20Gb is too small. I will try with 30 and update the task.

#11 - 2016-08-03 07:10 - dgutu

dgutu wrote:

> Something doesn't work in this snapper cleanup algorithm.
> Could be that the HDD of 20Gb is too small. I will try with 30 and update the task.

http://crocodile.qa.suse.cz/tests/3775#step/snapper_cleanup/71

#12 - 2016-08-03 13:09 - dgutu

- File download.png added

I've found another scenario when this test shouldn't be run.
The HDD images we have using for migration already are full of important snapshots
so deleting them will broke another test to run.

#13 - 2016-08-06 20:33 - okurz

dgutu I think you might be wanting too much in one step :-) Better just add the test for one single scenario than not have it ready at all.

Feature test: PASSED

Used dgutu's PR, adapted it a bit and ran in
http://lord.arch/tests/2682

but it takes rather long to execute so I am convinced it must not be called as part of every console test.

I tried to execute it as part of "extra tests" but it turns the filesystem R/O, probably because space got depleted? See
http://lord.arch/tests/2687#step/snapper_cleanup/29
Even worse, it doesn't fail the test.

But nevertheless, here are my suggestions:
https://github.com/dgutu-suse/os-autoinst-distri-opensuse/compare/features/snapper_cleanup...okurz:feature/snapper_cleanup?expand=1

#14 - 2016-09-12 10:21 - dgutu

Bug was created - https://bugzilla.suse.com/show_bug.cgi?id=998360

#15 - 2016-09-15 09:32 - dgutu

Test was added to o.s.d, for now it will part of sles+extratests.

#16 - 2016-09-15 09:32 - dgutu

- % Done changed from 80 to 100

#17 - 2016-09-15 09:32 - dgutu

- Status changed from In Progress to Feedback

#18 - 2016-11-03 10:29 - dgutu

I need your opinion on the following:

- The bug created based on behavior of snapper_cleanup test could be invalid IF the root partition where test is running is not less then 20GB.
- Every run where I have used HDDSIZEGB=22 and TOGGLEHOME=1 passed.

Should I consider an update on testcase 'sles+extratests' by using HDDSIZEGB=22 and
TOGGLEHOME=1 (the default layout will create a separate /home and / if the last will be used)?
Thx.

#19 - 2016-11-03 10:29 - maritawerner

..

#20 - 2016-11-08 22:29 - okurz

- Category set to New test

#21 - 2016-11-09 08:20 - maritawerner

Dumitru, could you please check with Martin Kravec about qgroups? Maybe he can check here.

#22 - 2016-11-21 09:56 - dgutu

maritawerner wrote:

> Dumitru, could you please check with Martin Kravec about qgroups? Maybe he can check here.

We already had a discussion with Martin, our tasks are different.
for x86_64 snapper cleanup is passing but it behaves different for ppc for unknown reason for now, I will investigate.

#23 - 2016-11-23 14:37 - dgutu

- Status changed from Feedback to Resolved

This feature is ready and works in good way in x86_64.
There is still some issue on ppc64le platform but this I will rise a bug.
Working example: https://openqa.suse.de/tests/640886#
I will mark this as resolved.

#24 - 2016-11-24 10:56 - okurz

Thank you, great

#25 - 2016-11-28 07:41 - dgutu

- Status changed from Resolved to In Progress

- % Done changed from 100 to 90

#26 - 2016-11-30 15:52 - okurz

I guess you set it to "in progress" because of the differing behaviour on ppc64le, right? can you shortly mention the corresponding bug?

#27 - 2016-12-09 10:22 - dgutu

Because on ppc architecture the block size is much bigger than on x86 architecture I've decided to create separate testcase for ppc.
So, I've added 2 testcase, one for creating the hdd image with bigger size and second is the test which is sles+extratests for ppc.
I will add the link with the working test later.

#28 - 2016-12-09 10:22 - dgutu

- Status changed from In Progress to Resolved

- % Done changed from 90 to 100

#29 - 2016-12-09 10:25 - dgutu

- Related to action #15036: snapper_cleanup dies with a reference to bsc#998360 which is closed added

Files

download.png	62.9 KB	2016-08-03	dgutu