openQA Tests - action #77260

splice02 fails in JeOS

2020-11-10 09:29 - mloviska

Status:	Resolved		**Start date:**	2020-11-10
Priority:	Normal		**Due date:**	
Assignee:	pvorel		**% Done:**	70%
Category:	Bugs in existing tests		**Estimated time:**	0.00 hour
Target version:				
Difficulty:				

Description

Observation

openQA test in scenario sle-15-SP2-JeOS-for-kvm-and-xen-x86_64-jeos-ltp-on-kvm_syscalls@uefi-virtio-vga fails in
splice02

Test suite description

Excluded test cases:
quotactl* => quota modules are missing in JeOS
msgstress* => excluded as in server LTP testing

```
tst_test.c:1250: TINFO: Timeout per run is 0h 05m 00s
splice02.c:30: TPASS: splice() system call Passed

Summary:
passed   1
failed   0
skipped  0
warnings 0
### TEST splice02 COMPLETE >>> 141
```

I haven't reproduced the issue outside of openQA.

Reproducible

Fails since (at least) Build 5.2

Expected result

Last good: (unknown) (or more recent)

Further details

Always latest result in this scenario: latest

History

#1 - 2020-12-07 07:19 - okurz

This is an autogenerated message for openQA integration by the openqa_review script:

This bug is still referenced in a failing openQA test: jeos-ltp-on-kvm_syscalls
https://openqa.suse.de/tests/5128870

To prevent further reminder comments one of the following options should be followed:

1. The test scenario is fixed by applying the bug fix to the tested product or the test is adjusted
2. The openQA job group is moved to "Released"
3. The label in the openQA scenario is removed

#2 - 2020-12-21 07:22 - okurz

This is an autogenerated message for openQA integration by the openqa_review script:

This bug is still referenced in a failing openQA test: jeos-ltp-on-kvm_syscalls
https://openqa.suse.de/tests/5193875

To prevent further reminder comments one of the following options should be followed:

1. The test scenario is fixed by applying the bug fix to the tested product or the test is adjusted
2. The openQA job group is moved to "Released"
3. The label in the openQA scenario is removed

#3 - 2021-01-04 07:33 - openqa_review

This is an autogenerated message for openQA integration by the openqa_review script:

This bug is still referenced in a failing openQA test: jeos-ltp-on-kvm_syscalls
https://openqa.suse.de/tests/5212937

To prevent further reminder comments one of the following options should be followed:

1. The test scenario is fixed by applying the bug fix to the tested product or the test is adjusted
2. The openQA job group is moved to "Released"
3. The label in the openQA scenario is removed

#4 - 2021-01-19 07:06 - okurz

This is an autogenerated message for openQA integration by the openqa_review script:

This bug is still referenced in a failing openQA test: jeos-ltp-on-kvm_syscalls
https://openqa.suse.de/tests/5303661

To prevent further reminder comments one of the following options should be followed:

1. The test scenario is fixed by applying the bug fix to the tested product or the test is adjusted
2. The openQA job group is moved to "Released"
3. The label in the openQA scenario is removed

#5 - 2021-01-19 07:18 - okurz

This is an autogenerated message for openQA integration by the openqa_review script:

This bug is still referenced in a failing openQA test: jeos-ltp-on-kvm_syscalls
https://openqa.suse.de/tests/5294577

To prevent further reminder comments one of the following options should be followed:

1. The test scenario is fixed by applying the bug fix to the tested product or the test is adjusted
2. The openQA job group is moved to "Released"
3. The label in the openQA scenario is removed

#6 - 2021-02-02 07:21 - okurz

This is an autogenerated message for openQA integration by the openqa_review script:

This bug is still referenced in a failing openQA test: jeos-ltp-on-kvm_syscalls
https://openqa.suse.de/tests/5359939

To prevent further reminder comments one of the following options should be followed:

1. The test scenario is fixed by applying the bug fix to the tested product or the test is adjusted
2. The openQA job group is moved to "Released"
3. The label in the openQA scenario is removed

#7 - 2021-02-02 07:33 - openqa_review

This is an autogenerated message for openQA integration by the openqa_review script:

This bug is still referenced in a failing openQA test: jeos-ltp-on-kvm_syscalls
https://openqa.suse.de/tests/5359939

To prevent further reminder comments one of the following options should be followed:

1. The test scenario is fixed by applying the bug fix to the tested product or the test is adjusted
2. The openQA job group is moved to "Released"

3. The label in the openQA scenario is removed

#8 - 2021-02-08 21:34 - jlausuch

pcervinka could kernel-qa team offer some help here? This issue only happens in JeOS and it's not reproducible manually.

#9 - 2021-02-23 07:23 - okurz

This is an autogenerated message for openQA integration by the openqa_review script:

This bug is still referenced in a failing openQA test: jeos-ltp-on-kvm_syscalls
https://openqa.suse.de/tests/5425925

To prevent further reminder comments one of the following options should be followed:

1. The test scenario is fixed by applying the bug fix to the tested product or the test is adjusted
2. The openQA job group is moved to "Released"
3. The label in the openQA scenario is removed

#10 - 2021-02-23 07:34 - openqa_review

This is an autogenerated message for openQA integration by the openqa_review script:

This bug is still referenced in a failing openQA test: jeos-ltp-on-kvm_syscalls
https://openqa.suse.de/tests/5425925

To prevent further reminder comments one of the following options should be followed:

1. The test scenario is fixed by applying the bug fix to the tested product or the test is adjusted
2. The openQA job group is moved to "Released"
3. The label in the openQA scenario is removed

#11 - 2021-02-24 12:14 - mloviska

Does not fail in arm image testing

```
# wait_serial expected: qr/### TEST splice02 COMPLETE >>> \d+/u
# Result:

tst_test.c:1288: TINFO: Timeout per run is 0h 05m 00s
splice02.c:30: TPASS: splice() system call Passed

Summary:
passed   1
failed   0
broken   0
skipped  0
warnings 0
### TEST splice02 COMPLETE >>> 0
```

#12 - 2021-03-02 13:04 - favogt

> Test process returned unkown none zero value (141).

This can happen if the process was killed by a SIGPIPE signal, which is number 13. -13 == 141 with 8-bit signed ints.

#13 - 2021-03-02 13:25 - favogt

favogt wrote:

> Test process returned unkown none zero value (141).

> This can happen if the process was killed by a SIGPIPE signal, which is number 13. -13 == 141 with 8-bit signed ints.

Found it:

openQA runs seq 1 20000 | splice02; echo "### TEST splice02 COMPLETE >>> $?", but splice02 may exit before seq can write everything. In that case, seq is terminated with SIGPIPE and returns 141. I suggest to either use (seq 1 20000 || :) | splice02 or echo "### TEST splice02 COMPLETE >>> ${PIPESTATUS[1]}.

#14 - 2021-03-03 08:27 - mloviska

- Status changed from New to In Progress

- Assignee set to mloviska

favogt wrote:

> favogt wrote:
>
>> Test process returned unkown none zero value (141).
>
>> This can happen if the process was killed by a SIGPIPE signal, which is number 13. -13 == 141 with 8-bit signed ints.
>
> Found it:
>
> openQA runs seq 1 20000 | splice02; echo "### TEST splice02 COMPLETE >>> $?", but splice02 may exit before seq can write everything. In that case, seq is terminated with SIGPIPE and returns 141. I suggest to either use (seq 1 20000 || :) | splice02 or echo "### TEST splice02 COMPLETE >>> ${PIPESTATUS[1]}.

Perfect catch! Thanks for your help, I will try to update it according to your suggestion.

#15 - 2021-03-03 13:49 - pvorel

- Assignee changed from mloviska to pvorel

[favogt](): Thanks a lot for help (again :).
Martin opened PR (https://github.com/linux-test-project/ltp/pull/796) and even sent patchset to ML
(https://patchwork.ozlabs.org/project/ltp/patch/20210303132403.6427-1-mloviska@suse.de/).

But metan (main LTP maintainer) requests proper fix: to generate it's input in C without relying on shell piping data into it. I agreed with mloviska, that I implement it.

#16 - 2021-03-08 11:28 - pvorel

- Tags changed from qac, jeos to qac, jeos, ltp

- % Done changed from 0 to 70

#18 - 2021-03-08 18:10 - pvorel

Contributed patchset [1] which works [2], but Cyril requests some more changes.

[1] https://patchwork.ozlabs.org/project/ltp/patch/20210308154421.2002-1-pvorel@suse.cz/
[2] http://quasar.suse.cz/tests/6129

#19 - 2021-03-23 07:05 - okurz

This is an autogenerated message for openQA integration by the openqa_review script:

This bug is still referenced in a failing openQA test: jeos-ltp-syscalls
https://openqa.suse.de/tests/5671063

To prevent further reminder comments one of the following options should be followed:

1. The test scenario is fixed by applying the bug fix to the tested product or the test is adjusted
2. The openQA job group is moved to "Released"
3. The label in the openQA scenario is removed

#20 - 2021-04-06 07:24 - openqa_review

This is an autogenerated message for openQA integration by the openqa_review script:

This bug is still referenced in a failing openQA test: jeos-ltp-syscalls
https://openqa.suse.de/tests/5671063

To prevent further reminder comments one of the following options should be followed:

1. The test scenario is fixed by applying the bug fix to the tested product or the test is adjusted
2. The openQA job group is moved to "Released"
3. The label in the openQA scenario is removed

#21 - 2021-04-08 18:46 - pvorel

v2 sent to ML:
https://patchwork.ozlabs.org/project/ltp/patch/20210408184503.28414-1-pvorel@suse.cz/
https://patchwork.ozlabs.org/project/ltp/patch/20210408184503.28414-2-pvorel@suse.cz/

#22 - 2021-04-15 17:27 - pvorel

v3 sent
https://patchwork.ozlabs.org/project/ltp/patch/20210413043844.5612-1-pvorel@suse.cz/
I test it: http://quasar.suse.cz/tests/6568, code is with some modifications which will be merged tomorrow, now in my fork:
https://github.com/pevik/ltp/commits/splice02/generate-output.v3.fixes

There is also test for shell command, I test it tomorrow
https://patchwork.ozlabs.org/project/ltp/patch/20210413043844.5612-2-pvorel@suse.cz/

#23 - 2021-04-16 17:23 - pvorel

v4 sent, hopefully final
https://patchwork.ozlabs.org/project/ltp/list/?series=239559&state=*

#24 - 2021-04-23 14:50 - pvorel

v6, hopefully final :)
https://patchwork.ozlabs.org/project/ltp/list/?series=240531

#25 - 2021-04-26 18:57 - pvorel

- Status changed from In Progress to Feedback

Finally merged (v6): https://github.com/linux-test-project/ltp/commit/b1a656559506796b1abc2b8285058ba1f9a595b5

I also added shell pipe test into runtest/smoketest and runtest/commands. Maybe one of them would be worth of running on JeOS
https://github.com/linux-test-project/ltp/commit/cba8a25b6cb92677615cd13875245a5a2fb7385e

#26 - 2021-04-27 11:41 - mloviska

pvorel wrote:

> Finally merged (v6): https://github.com/linux-test-project/ltp/commit/b1a656559506796b1abc2b8285058ba1f9a595b5
>
> I also added shell pipe test into runtest/smoketest and runtest/commands. Maybe one of them would be worth of running on JeOS
> https://github.com/linux-test-project/ltp/commit/cba8a25b6cb92677615cd13875245a5a2fb7385e

Yes, I have already thought of the commands test suite. I will add it in JeOS testing. Thanks for the heads up!

#27 - 2021-04-27 12:19 - mloviska

pvorel wrote:

> Finally merged (v6): https://github.com/linux-test-project/ltp/commit/b1a656559506796b1abc2b8285058ba1f9a595b5
>
> I also added shell pipe test into runtest/smoketest and runtest/commands. Maybe one of them would be worth of running on JeOS
> https://github.com/linux-test-project/ltp/commit/cba8a25b6cb92677615cd13875245a5a2fb7385e

https://gitlab.suse.de/qac/qac-openqa-yaml/-/merge_requests/193

#28 - 2021-04-28 08:28 - jlausuch

pvorel wrote:

> Finally merged (v6): https://github.com/linux-test-project/ltp/commit/b1a656559506796b1abc2b8285058ba1f9a595b5
>
> I also added shell pipe test into runtest/smoketest and runtest/commands. Maybe one of them would be worth of running on JeOS
> https://github.com/linux-test-project/ltp/commit/cba8a25b6cb92677615cd13875245a5a2fb7385e

We decided to include it for maintenance, not for current SP3 as it's too late to add more tests. But as soon as SP3 goes into maintenance, we will enable it.

#29 - 2021-05-03 10:28 - mloviska

Works! Thank you pvorel!

https://openqa.suse.de/tests/5930026#step/splice02/6

#30 - 2021-05-03 10:29 - mloviska

- Status changed from Feedback to Resolved

Resolving and kudos!

#31 - 2021-05-04 07:52 - jlausuch

Nice work. Thanks!

#32 - 2021-05-19 06:32 - okurz

This is an autogenerated message for openQA integration by the openqa_review script:

This bug is still referenced in a failing openQA test: jeos-ltp-syscalls
https://openqa.suse.de/tests/5998509

To prevent further reminder comments one of the following options should be followed:

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3. The label in the openQA scenario is removed