openQA Tests - action #49751

[functional][u] test fails in grub_test - isotovideo missed the boot screen while worker-host was likely under heavy load

2019-03-27 11:21 - szarate

<table>
<thead>
<tr>
<th>Status:</th>
<th>Rejected</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>High</td>
</tr>
<tr>
<td>Assignee:</td>
<td>jorauch</td>
</tr>
<tr>
<td>Category:</td>
<td>Enhancement to existing tests</td>
</tr>
<tr>
<td>Target version</td>
<td>Milestone 31</td>
</tr>
<tr>
<td>Difficulty:</td>
<td></td>
</tr>
<tr>
<td>Start date:</td>
<td>2019-03-27</td>
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<tr>
<td>Due date:</td>
<td></td>
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<tr>
<td>% Done:</td>
<td>0%</td>
</tr>
<tr>
<td>Estimated time:</td>
<td>0.00 hour</td>
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</tbody>
</table>

Description

Observation

openQA test in scenario sle-15-SP1-Installer-DVD-aarch64-textmode@aarch64 fails in grub_test

Test suite description

Maintainer: okurz

Installation in textmode and selecting the textmode "desktop" during installation.

Acceptance criteria

- AC1: The test module doesn't fail if we miss the grub or tianocore menu
- AC2: There is better visualization for the reviewer if we miss one of those screens

Suggestions

- Wrap that assert_screene inside an eval so that if it fails, we can still "try" to know if the system already booted by checking if the login string is already present in the serial console, if it is... either softfail or fail the grub_test

early investigation

This is an easy one, as in the logs the following messages can be seen, so basically the SUT was able to boot but isotovideo was not fast enough...

[2019-03-27T08:17:11.068 UTC] [debug] <<< testapi::check_screen(mustmatch='grub2', timeout=90)
[2019-03-27T08:17:12.871 UTC] [debug] WARNING: check_asserted_screen took 1.80 seconds for 42 candidate needles - make your needles more specific
[2019-03-27T08:17:12.871 UTC] [debug] no match: 89.9s, best candidate: bootmenu-SLE-HPC-20180603 (0.00)
[2019-03-27T08:17:14.279 UTC] [debug] WARNING: check_asserted_screen took 1.33 seconds for 42 candidate needles - make your needles more specific
[2019-03-27T08:17:14.279 UTC] [debug] no match: 88.1s, best candidate: bootmenu-SLE-HPC-20180603 (0.00)
[2019-03-27T08:17:14.310 UTC] [debug] no change: 86.7s
[2019-03-27T08:17:50.564 UTC] [debug] WARNING: check_asserted_screen took 35.28 seconds for 42 candidate needles - make your needles more specific
[2019-03-27T08:17:50.565 UTC] [debug] no match: 85.7s, best candidate: bootmenu-SLE-HPC-20180603 (0.00)
[2019-03-27T08:17:50.624 UTC] [debug] WARNING: There is some problem with your environment, we detected a stall for 35.7843849658966 seconds
[2019-03-27T08:18:13.902 UTC] [debug] WARNING: check_asserted_screen took 23.24 seconds for 42 candidate needles - make your needles more specific
[2019-03-27T08:18:13.914 UTC] [debug] no match: 50.4s, best candidate: bootmenu-SLE-HPC-20180603 (
Reproducible

Fails since (at least) Build 198.1 (current job)

Expected result

Last good: 196.1 (or more recent)

Further details

Always latest result in this scenario: latest

History

#1 - 2019-04-29 09:15 - mgriessmeier
- Description updated
- Category changed from Bugs in existing tests to Enhancement to existing tests
- Status changed from New to Workable
- Target version set to Milestone 24

#2 - 2019-04-30 09:58 - szarate
Another example: https://openqa.suse.de/tests/2843289#step/reboot_gnome/11

#3 - 2019-05-09 09:28 - jorauch
- Assignee set to jorauch

Taking over

#4 - 2019-05-17 08:27 - mgriessmeier
- Target version changed from Milestone 24 to Milestone 25
move to M25

#5 - 2019-05-17 09:08 - jorauch
Verification runs:
https://openqa.suse.de/tests/overview?build=poo%2349751_verification_investigation&version=15-SP1&distri=sle

#6 - 2019-05-17 09:08 - jorauch
- Status changed from Workable to Feedback

#7 - 2019-05-17 12:34 - jorauch
We have:
https://openqa.suse.de/tests/2901056#
as test for the PR: https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/7472

Apparently 'eval' does not stop the test from going to failed, maybe we should run a multi tag assert_screen and check with 'match_has_tag' where we are

- Status changed from Feedback to Resolved

PR merged.
Verified on OSD: https://openqa.suse.de/tests/2911377

Unfortunately this workaround breaks booting after a live installation:
https://openqa.opensuse.org/tests/940347

It also matches a not yet rebooted system.

- Status changed from Resolved to Workable

jrauch, could you take a look?
Should it be easy fixable by only doing that is not live installation?

#11 - 2019-05-22 13:46 - jorauch
This is really strange, but imho thats not the fault of the workaround, as we should be way further at this point. Maybe we should fix the preceeding module?
I personally would not put this in a if not LIVECD as we would not fix the cause

#12 - 2019-05-22 15:36 - SLindoMansilla
Please, notice how this matched screenshot is wrong: https://openqa.opensuse.org/tests/940347#step/grub_test/1

This is not a booted textmode, this tty is shown because the system is shutting down. But, the workaround thinks that the SUT is booted. So, your module left the system in a bad state for the next module.

#13 - 2019-05-22 16:56 - SLindoMansilla
Let's revert the PR to not block other teams. We should provide a fixed PR.
https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/7520

#14 - 2019-05-22 17:12 - SLindoMansilla
- Has duplicate action #51851: test fails in grub_test added

#15 - 2019-05-22 18:11 - okurz
revert PR merged

#16 - 2019-05-23 07:43 - jorauch
SLindoMansilla wrote:
Let's revert the PR to not block other teams. We should provide a fixed PR. 
https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/7520

I think grub_test should not even need to handle the shutdown of the system, its job is to look for grub. One of the preconditions of this test is that we have a booting system, if we do not get it here we should ensure it gets it from the preceeding test

#17 - 2019-05-29 12:11 - jorauch
- Assignee deleted (jorauch)

Unassigning due to vacation and the high state of this ticket.
I am still thinking that my workaround is legit, as in the failure cases the precondition of a shutdown system was not met

#18 - 2019-06-11 12:56 - jorauch
- Assignee set to jorauch

Taking back over after vacation

#19 - 2019-06-13 14:05 - SLindoMansilla
As discussed time ago, even if the problem we are trying to fix was in the module grub_test, there are implicit requirements for resolving a ticket. The test result cannot be worst after applying a fix (eg. PR). If a fix makes a previously working (eg. passed) scenario/test/module to fail, that other module has to be adapted for the fix, or the fix needs to be adapted for that module.

#20 - 2019-06-17 13:51 - jorauch
I would prefer setting this to blocked and create a ticket that ensures this module getting a shut-down system
Imho we should fix the shady behaviour instead of keeping a broken workflow that somehow works accidentally but is wrong.

#21 - 2019-06-17 14:20 - SLindoMansilla
I agree with this proposal, please create a ticket for fixing the previous module. Set this ticket a blocked by it (with proper link in comment and in section "related issues").

From my point of view, since it is a blocker of a ticket prioritized by our PO, it would automatically get the milestone and workable. Unless there is something to discuss.
You can confirm with PO before starting working on the ticket.

#22 - 2019-06-18 09:05 - jorauch
- Copied to coordination #53249: [epic][qe-core][functional] ensure that grub_test gets a booting system added

#23 - 2019-06-18 09:05 - jorauch
- Copied to deleted (coordination #53249: [epic][qe-core][functional] ensure that grub_test gets a booting system)

#24 - 2019-06-18 09:05 - jorauch
- Blocked by coordination #53249: [epic][qe-core][functional] ensure that grub_test gets a booting system added

#25 - 2019-06-18 09:05 - jorauch
- Status changed from Workable to Blocked

Blocked by: https://progress.opensuse.org/issues/53249 as discussed above

#26 - 2019-07-03 09:27 - mgriessmeier
- Target version changed from Milestone 25 to Milestone 26

#27 - 2019-08-21 11:00 - mgriessmeier
- Target version changed from Milestone 26 to Milestone 28

#28 - 2020-01-03 09:01 - mgriessmeier
- Target version changed from Milestone 28 to Milestone 31

#29 - 2020-03-04 10:10 - mgriessmeier
- Blocked by deleted (coordination #53249: [epic][qe-core][functional] ensure that grub_test gets a booting system)
- Status changed from Blocked to Rejected