

## openQA Tests - action #90008

### [qe-core][typing] test fails in ncurses with typing issues - Improve by using serial\_terminal and executing tests via bash

2021-03-12 12:58 - SLindoMansilla

<b>Status:</b>	Resolved	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	mgrifalconi	<b>% Done:</b>	100%
<b>Category:</b>	Bugs in existing tests	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	QE-Core: Ready		
<b>Difficulty:</b>			
<b>Description</b>			
<b>Related issues:</b>			
Related to openQA Tests - coordination #43889: [qe-core][epic][functional][vi...		<b>Blocked</b>	
Related to openQA Tests - action #95362: [qe-core] make zypper_call use seria...		<b>Workable</b>	<b>2021-07-12</b>

## History

### #1 - 2021-03-29 07:23 - 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: minimal\_x  
<https://openqa.suse.de/tests/5669331>

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 - 2021-04-08 07:21 - tjrinki\_suse

- Status changed from New to Workable

### #3 - 2021-04-09 05:38 - tjrinki\_suse

- Status changed from Workable to Feedback

- Start date deleted (2021-03-12)

This needs refining of the description.

### #4 - 2021-04-14 10:46 - szarate

- Subject changed from [qe-core] test fails with typing issues - Improve by using serial\_terminal to [qe-core] test fails in ncurses with typing issues - Improve by using serial\_terminal

- Status changed from Feedback to New

I'm starting to believe that anything that has to do with aarch64 in terms of calling things like zypper\_call, to be shifted to serial terminal.

However the ncurses tests could be executed with a bash script since they rely on the assert\_screen calls...

So:

- 1- switch to the serial terminal
- 2- install required packages
- 3- switch back to root console
- 4- rewrite test to call bash scripts from data directory rather than typing (prepare\_test\_data uncompresses everything in /home/bernhard)
- 5- Profit: make zypper\_call switch to serial terminal regardless of the architecture unless no\_console\_switch=1 (new parameter)

### #5 - 2021-04-22 07:52 - tjrinki\_suse

- Status changed from New to Workable

**#6 - 2021-04-30 07:39 - tjyrinki\_suse**

- Subject changed from [qe-core] test fails in ncurses with typing issues - Improve by using serial\_terminal to [qe-core][typing] test fails in ncurses with typing issues - Improve by using serial\_terminal

**#7 - 2021-04-30 09:31 - tjyrinki\_suse**

- Related to coordination #43889: [qe-core][epic][functional][virtio][wayland] openQA makes spelling mistakes added

**#8 - 2021-05-06 06:50 - tjyrinki\_suse**

- Subject changed from [qe-core][typing] test fails in ncurses with typing issues - Improve by using serial\_terminal to [qe-core][typing] test fails in ncurses with typing issues - Improve by using serial\_terminal and executing tests via bash

**#9 - 2021-06-29 08:18 - mgrifalconi**

- Assignee set to mgrifalconi

**#10 - 2021-07-01 07:58 - mgrifalconi**

Running some statistical investigation (<https://progress.opensuse.org/projects/openqatests/wiki/Wiki#Statistical-investigation>) to see if some any issue can be spotted:

```
for i in {003..100} ; do \  
/usr/share/openqa/script/clone_job.pl \  
--from https://openqa.suse.de \  
--host https://openqa.suse.de \  
-v 6357721 \  
--skip-chained-deps \  
ISO= \  
SCHEDULE=tests/boot/boot_to_desktop,tests/console/cleanup_qam_testrepos,tests/console/ncurses \  
_SKIP_POST_FAIL_HOOKS=1 \  
QAM_TESTREPO_FAIL=purge \  
TEST=mgrifalconi-investigation-ncurses-$i \  
BUILD=mgrifalconi-investigation-ncurses \  
_GROUP="mgrifalconi-investigation-ncurses" \  
; done
```

Using mau-extratest as blueprint to copy, since ncurses is currently tested only on installation test suites, and they take a lot of time.

**Observation:** Why don't we move out as much as possible tests from installation jobs, to reduce risk of breaking the job and all its dependencies? Does ncurses in particular need to be tested right after the installation? Can't be moved to mau-extratest?

**Results:** <https://openqa.suse.de/tests/overview?build=mgrifalconi-investigation-ncurses>

**#11 - 2021-07-01 07:58 - mgrifalconi**

- Status changed from Workable to In Progress

**#12 - 2021-07-01 12:10 - okurz**

mgrifalconi wrote:

**Observation:** Why don't we move out as much as possible tests from installation jobs, to reduce risk of breaking the job and all its dependencies? Does ncurses in particular need to be tested right after the installation? Can't be moved to mau-extratest?

I think QE-Core already has it on the backlog to move more and more tests into "extratests" which boot from existing disk images rather than doing all the tests within the same installation based scenario. However the approach of loading from images is not implemented. For these cases there can be "directly chained dependencies" to ensure that after an installation on a specific (physical) machine the installed OS is booted and subsequent tests can be executed.

**#13 - 2021-07-06 06:34 - mgrifalconi**

We agreed to move such test out of installation jobs to extratests or other jobs that boot from a disk, since there is no reason to run it right after installation.

It seems not possible to run the dialog command as part of a shell script, since it blocks there and the script never ends (waiting for a dialog). Considering it's only 2 commands, I propose to skip the switch to bash.

About changing the logic of zypper\_call, wouldn't make sense to have a separate progress issue and try to advertise it a bit since everyone is using such method?

**#14 - 2021-07-12 06:54 - mgrifalconi**

Created <https://progress.opensuse.org/issues/95362> about zypper\_call refactoring

Created <https://progress.opensuse.org/issues/95365> about moving ncurses out of installation tests

Will not move it to bash script since it's only 2 lines of code to be moved.

**#15 - 2021-07-13 05:37 - mgrifalconi**

PR for using serial terminal on zypper\_call <https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/12880>

**#16 - 2021-07-13 05:37 - mgrifalconi**

- Status changed from *In Progress* to *Resolved*

- % Done changed from 0 to 100

**#17 - 2021-07-23 13:48 - szarate**

- Related to action #95362: [qe-core] make zypper\_call use serial terminal regardless of the architecture added

**#18 - 2021-08-04 10:22 - szarate**

- Target version set to *QE-Core: Ready*