

## openQA Tests - action #34471

### [qe-core][functional][opensuse][medium] too early matching in too generic needle text-login-20160812

2018-04-08 06:13 - okurz

|                        |                               |                        |             |
|------------------------|-------------------------------|------------------------|-------------|
| <b>Status:</b>         | New                           | <b>Start date:</b>     | 2018-04-08  |
| <b>Priority:</b>       | Normal                        | <b>Due date:</b>       |             |
| <b>Assignee:</b>       |                               | <b>% Done:</b>         | 80%         |
| <b>Category:</b>       | Enhancement to existing tests | <b>Estimated time:</b> | 42.00 hours |
| <b>Target version:</b> | Milestone 30                  |                        |             |
| <b>Difficulty:</b>     | medium                        |                        |             |

#### Description

### Observation

openQA test in scenario opensuse-42.3-Updates-x86\_64-textmode@64bit fails in [zypper\\_up](#)

```
[7 Apr 2018 21:01:23] <tacit> okurz: Somewhat more frequent unstable failure: https://openqa.opensuse.org/tests/652064#step/zypper_up/4 suspecting timing here as the root username is entered before the login prompt
```

```
[7 Apr 2018 21:57:16] <okurz> tacit: well, problem is the not so good needle in https://openqa.opensuse.org/tests/652064#step/zypper_up/1 . as you can see on the '(i)' icon the test looks for tty6 -selected and this is what we should use. What happens now that the test expects tt6, checks for just the generic needle, is happy with tty1, then the VM actually switches to tty6 but in the process the root name is already typed, only after that the getty is
```

```
[7 Apr 2018 21:57:16] <okurz> activated. But you know what, I think I have seen this slower behavior even manually. Was there some update to getty or systemd that could have caused a slow down here?
```

```
[8 Apr 2018 08:10:09] <okurz> tacit: So actually I would consider a product bug but try to remove our needles nevertheless. We can remove the needle but it might break some tests.
```

### Reproducible

Fails since (at least) Build [20180407-3](#) (current job)

### Expected result

- **AC:** There should be no needle with tag "text-login" anymore but only tty\$nr-specific ones as we did already for SLE to prevent premature matching

### Tasks

1. Remove all needles with tag "text-login"
2. Fix the tests that use that needle tag.

### Suggestions

- Find current uses of the generic needles, e.g. "text-login-20160812" using <https://openqa.opensuse.org/admin/needles>
- Make sure there exist valid tty\$nr-selected needles for all cases where text-login is matched on
- Delete the too generic needles
- Crosscheck carefully that all tests on o3 do not fail because of now deleted needles where there is no tty\$nr-replacement.

### Further details

Always latest result in this scenario: [latest](#)

See [#33097](#) for the work that has been done for the corresponding SLE needles.

#### Related issues:

|   |          |            |            |
|---|----------|------------|------------|
| Related to openQA Tests - action #32926: [sle][functional][y][hyperv][medium]...  | Resolved | 2018-03-08 | 2018-05-22 |
| Related to openQA Tests - action #33019: [opensuse][functional][sporadic][u][...] | Resolved | 2018-03-09 | 2018-05-22 |
| Related to openQA Tests - action #36126: [functional][u] post_fail_hook match...  | Resolved | 2018-05-14 |            |
| Related to openQA Tests - action #57281: [sle][Migration][SLE15SP2] test fail...  | Resolved | 2019-09-24 |            |
| Blocks openQA Tests - action #34339: [qe-core][sle][functional][medium] test ...  | Blocked  | 2018-04-05 |            |
| Blocked by openQA Tests - action #32746: [sle][tools][remote-backends][hard] ...  | Resolved | 2018-03-05 |            |

## History

### #1 - 2018-04-08 06:15 - okurz

- Description updated

### #2 - 2018-04-10 08:11 - okurz

- Due date changed from 2018-05-22 to 2018-05-08

- Priority changed from Normal to High

[https://openqa.opensuse.org/tests/653247#step/firefox\\_audio/6](https://openqa.opensuse.org/tests/653247#step/firefox_audio/6) shows what I think is the same problem, in the post\_fail\_hook the needle text-login-20170427 is matching but we are not yet on the right tty, expecting tty5, seeing tty4. This prevents a proper analysis if the firefox\_audio module itself is at fault or the system is bogged down due to something else.

### #3 - 2018-04-10 10:44 - okurz

- Blocks action #33019: [opensuse][functional][sporadic][u][medium] Frequent fails in firefox\_audio, firefox not started added

### #4 - 2018-04-18 08:56 - mgriessmeier

- Subject changed from [functional][opensuse][u]too early matching in too generic needle text-login-20160812 to [functional][opensuse][u][medium] too early matching in too generic needle text-login-20160812

- Status changed from New to Workable

### #5 - 2018-04-24 13:59 - cwh

- Difficulty set to medium

### #6 - 2018-04-25 07:44 - SLindoMansilla

- Status changed from Workable to In Progress

- Assignee set to SLindoMansilla

### #7 - 2018-04-25 11:09 - SLindoMansilla

Needles: <https://github.com/os-autoinst/os-autoinst-needles-opensuse/pull/360>

### #8 - 2018-04-25 12:57 - SLindoMansilla

Scenarios that would fail without a needle "text-login".

Found on <https://openqa.suse.de/admin/needles> (search: text-login)

OSD

- [virt-pvusb-sles12sp2-fv-on-developing-xen@64bit-ipmi](#)
- [gi-guest\\_sles12sp2-on-host-developing-kvm@64bit-ipmi](#)
- [gi-guest\\_developing-on-host\\_sles12sp1-kvm@64bit-ipmi](#)
- [prj2\\_host\\_upgrade\\_sles12sp3\\_to\\_developing\\_xen@64bit-ipmi](#)

Found on <https://openqa.opensuse.org/admin/needles> (search: text-login)

O3

- [zdup-13.1-gnome@64bit\\_setup\\_zdup/3](#) Needle created, but need to track (tty-6-selected-20180425)(verified)
  - Same job, but in other module [consoletest\\_setup/33](#)(verified)
- [textmode@64bit](#) Needle created, but need to track (tty4-selected-20180425)(verified)

### #9 - 2018-04-25 13:46 - SLindoMansilla

Adapt code to not use generic needle text-login: <https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/4942>

**#10 - 2018-05-02 07:15 - okurz**

- Related to action #34339: [qe-core][sle][functional][medium] test fails in consoletest\_setup - generic text login matching too early, causing mistyping -- was " login prompt not ready to type - missing keys while typing login" added

**#11 - 2018-05-02 14:56 - SLindoMansilla**

- Related to action #32926: [sle][functional][y][hyperv][medium] avoid typing username before switched tty (was: test fails in yast2\_i - (mising needles?, rather too low timeout for hyperv) for Installation Report succesful) added

**#12 - 2018-05-08 08:52 - mgriessmeier**

- Due date changed from 2018-05-08 to 2018-05-22

**#13 - 2018-05-15 14:27 - okurz**

Let's work on [#32926](#) first, then continue here.

**#14 - 2018-05-16 13:37 - SLindoMansilla**

- Status changed from In Progress to Workable

Waiting for <https://progress.opensuse.org/issues/32926>

and

Problems with IPMI machines:

- openqaw4-sp.qa.suse.de
- sonic-sp.qa.suse.de

szarate and nsinger are investigating the issue.

**#15 - 2018-05-22 08:43 - mgriessmeier**

- Due date changed from 2018-05-22 to 2018-06-05

dependency resolved, this one is workable now

**#16 - 2018-05-22 08:44 - mgriessmeier**

- Blocks deleted (action #33019: [opensuse][functional][sporadic][u][medium] Frequent fails in firefox\_audio, firefox not started)

**#17 - 2018-05-22 08:44 - mgriessmeier**

- Related to action #33019: [opensuse][functional][sporadic][u][medium] Frequent fails in firefox\_audio, firefox not started added

**#18 - 2018-06-05 08:50 - jorauch**

- Related to deleted (action #34339: [qe-core][sle][functional][medium] test fails in consoletest\_setup - generic text login matching too early, causing mistyping -- was " login prompt not ready to type - missing keys while typing login")

**#19 - 2018-06-05 08:50 - jorauch**

- Blocks action #34339: [qe-core][sle][functional][medium] test fails in consoletest\_setup - generic text login matching too early, causing mistyping -- was " login prompt not ready to type - missing keys while typing login" added

**#20 - 2018-06-05 09:02 - mgriessmeier**

- Due date changed from 2018-06-05 to 2018-06-19

- Assignee deleted (SLindoMansilla)

- Target version changed from Milestone 16 to Milestone 17

**#21 - 2018-06-11 12:36 - zluo**

- Assignee set to zluo

take over...

**#22 - 2018-06-11 13:47 - zluo**

- Status changed from Workable to In Progress

check and replace `assert_screen 'text_login'` by `wait_boot` and `select_console 'root-console'`:

sle-15-Installer-DVD-x86\_64-Build665.2-external\_iso@64bit  
`copy_iso_to_external_drive`  
`post_run_hook` contains `assert_screen 'text_login'` which needs to be changed

[http://e13.suse.de/tests/2731#step/copy\\_iso\\_to\\_external\\_drive/29](http://e13.suse.de/tests/2731#step/copy_iso_to_external_drive/29)  
looks good.

**#23 - 2018-06-12 08:56 - zluo**

PR:  
<https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/5206>

and continue on other files...

**#24 - 2018-06-12 09:46 - zluo**

PR for `tests/virt_autotest/reboot_and_wait_up.pm`:  
<https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/5208>

**#25 - 2018-06-13 11:30 - zluo**

This is not working, so no change then:  
[http://e13.suse.de/tests/2742#step/reboot\\_and\\_wait\\_up\\_normal/7](http://e13.suse.de/tests/2742#step/reboot_and_wait_up_normal/7)

**#26 - 2018-06-13 11:48 - zluo**

checked `tests/console/sle15_workarounds.pm` as well, keep `text-login` because workaround is still needed.

**#27 - 2018-06-13 11:51 - zluo**

`lib/susedistribution.pm`: `assert_screen(["text-logged-in-$user", "text-login"], 60)`; no need to change, just keep it

**#28 - 2018-06-13 11:53 - zluo**

`lib/susedistribution.pm`: `assert_screen "text-login", 10`;  
is used in the live-cd accessing the "install-shell". That is used for example here:

[https://openqa.opensuse.org/tests/688993#step/logs\\_from\\_installation\\_system/1](https://openqa.opensuse.org/tests/688993#step/logs_from_installation_system/1)

We keep if (LIVECD) part as well.

**#29 - 2018-06-13 11:56 - zluo**

`lib/susedistribution.pm`: `# Accept 'text-login' by default`  
remove the old comment.

**#30 - 2018-06-13 12:00 - zluo**

PR  
<https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/5219>

**#31 - 2018-06-13 14:18 - okurz**

zluo wrote:  
checked `tests/console/sle15_workarounds.pm` as well, keep `text-login` because workaround is still needed.

zluo wrote:  
`lib/susedistribution.pm`: `assert_screen(["text-logged-in-$user", "text-login"], 60)`; no need to change, just keep it

Please adress my comment in <https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/5206#issuecomment-396524370>

**#32 - 2018-06-14 10:22 - zluo**

tried to change `tests/virt_autotest/reboot_and_wait_up.pm`: `assert_screen("text-login", 600)`; by using:

```
$self->wait_boot();
```

```
select_console 'root-console';
```

And change wait\_boot function in lib/opensusebasetest.pm to avoid BACKEND impi run into GRUB:

```
elsif ((!(check_var('VIRSH_VMM_FAMILY', 'xen') && check_var('VIRSH_VMM_TYPE', 'linux') && check_var('BACKEND', 'svirt')) || !(check_var('BACKEND', 'ipmi')))
```

This doesn't help:

[http://e13.suse.de/tests/2749#step/reboot\\_and\\_wait\\_up\\_normal/6](http://e13.suse.de/tests/2749#step/reboot_and_wait_up_normal/6)

### #33 - 2018-06-15 14:14 - zluo

at moment the ipmi worker is not stable and it skips many times my test runs :(

<http://e13.suse.de/tests/2833>

### #34 - 2018-06-15 18:53 - okurz

- Target version changed from Milestone 17 to Milestone 17

### #35 - 2018-06-18 09:35 - zluo

for ipmi use root-ssh instead of root-console and use PR <https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/5236> for another try:

<http://e13.suse.de/tests/2840>

### #36 - 2018-06-18 12:18 - zluo

<http://e13.suse.de/tests/2842>

it seems to have same issue for:

```
at /usr/lib/os-autoinst/backend/baseclass.pm line 80.  
backend::baseclass::die_handler('The console isn't responding correctly. Maybe half-open sock...') called at  
/usr/lib/os-autoinst/backend/baseclass.pm line 241  
eval {...} called at /usr/lib/os-autoinst/backend/baseclass.pm line 156  
backend::baseclass::run_capture_loop('backend::ipmi=HASH(0x699cc40)') called at /usr/lib/os-autoinst/backend/b  
aseclass.pm line 129  
backend::baseclass::run('backend::ipmi=HASH(0x699cc40)', 5, 8) called at /usr/lib/os-autoinst/backend/driver.p  
m line 85  
backend::driver::start('backend::driver=HASH(0x6493890)') called at /usr/lib/os-autoinst/backend/driver.pm lin  
e 48  
backend::driver::new('backend::driver', 'ipmi') called at /usr/bin/isotovideo line 236  
main::init_backend() called at /usr/bin/isotovideo line 305
```

### #37 - 2018-06-18 12:55 - zluo

the issue reported in (<https://progress.opensuse.org/issues/32746>) needs to be resolved at first if we want to make changes in reboot\_and\_wait\_up.pm

### #38 - 2018-06-19 07:30 - mgriessmeier

- Due date changed from 2018-06-19 to 2018-07-03

- Status changed from In Progress to Blocked

so it's basically blocked by <https://progress.opensuse.org/issues/32746>

### #39 - 2018-06-19 07:30 - mgriessmeier

- Blocked by action #32746: [sle][tools][remote-backends][hard] Incomplete job because console isn't responding correctly. Half-open socket on IPMI added

### #40 - 2018-06-19 11:57 - zluo

- % Done changed from 0 to 80

I think we are fine with the status of this ticket for now. Only reboot\_and\_wait\_up.pm cannot be handled as we wish. So this can be worked on later when [#32746](https://progress.opensuse.org/issues/32746) got resolved.

### #41 - 2018-07-03 08:10 - mgriessmeier

- Due date changed from 2018-07-03 to 2018-07-17

#### #42 - 2018-07-17 08:36 - mgriessmeier

- Due date changed from 2018-07-17 to 2018-07-31

- Status changed from Blocked to Feedback

#### #43 - 2018-07-17 14:04 - okurz

- Due date deleted (2018-07-31)

- Status changed from Feedback to Workable

- Assignee deleted (zluo)

- Target version changed from Milestone 17 to Milestone 21+

ok, so we have covered a lot already. As we understood in SR zluo is not currently working on this at the moment. We should revisit the situation in some months again.

#### #44 - 2018-10-15 21:03 - okurz

- Priority changed from High to Normal

still valid but not "High" prio.

#### #45 - 2019-01-05 11:58 - okurz

- Target version changed from Milestone 21+ to future

#### #46 - 2019-01-24 09:57 - okurz

I found that there is "linux-login" as well as "text-login". I assume both are equivalent and should be merged.

```
$ git grep '\(text\|linux\)login\>'
lib/migration.pm:     if (!check_screen('linux-login', 200)) {
lib/opensusebasetest.pm:     push @tags, 'linux-login'                               if get_var('KEEP_GRUB_TIMEOUT');
    # Also wait for linux-login if grub timeout was not disabled
lib/opensusebasetest.pm:     elsif (!match_has_tag("grub2") and !match_has_tag('linux-login')) {
lib/opensusebasetest.pm:         my $failneedle = get_var('KEEP_GRUB_TIMEOUT') ? 'linux-login' : 'grub2';
lib/opensusebasetest.pm:         my $textmode_needles = [qw(linux-login emergency-shell emergency-mode)];
lib/susedistribution.pm:         assert_screen "text-login", 10;
lib/susedistribution.pm:         assert_screen(["text-logged-in-$user", "text-login"], 60);
tests/boot/boot_from_pxe.pm:         assert_screen 'linux-login', 100;
tests/console/copy_iso_to_external_drive.pm:     assert_screen "text-login";
tests/console/sle15_workarounds.pm:         assert_screen(["tty2-selected", 'text-login', 'text-logged-in-root'
, 'generic-desktop']);
tests/installation/boot_into_snapshot.pm:     assert_screen 'linux-login', 200;
tests/installation/first_boot.pm:         assert_screen('linux-login', $boot_timeout) unless check_var('ARCH',
's390x');
tests/installation/grub_test.pm:     # If grub timeout was not disabled, we wait for linux-login instead
tests/installation/grub_test.pm:     my $tag = get_var('KEEP_GRUB_TIMEOUT') ? 'linux-login' : 'grub2';
tests/installation/reboot_eject_cd.pm:     assert_screen('text-login');
tests/jeos/firststrun.pm:     assert_screen_with_soft_timeout('linux-login', timeout => 1000, soft_timeout => 300
, bugref => 'bsc#1077007');
tests/locale/keymap_or_locale.pm:         assert_screen([qw(linux-login cleared-console)]);
tests/locale/keymap_or_locale.pm:         assert_screen([qw(linux-login cleared-console)]);
tests/qa_automation/kernel_kexec.pm:     assert_screen('linux-login', 300);
tests/qam-minimal/install_update.pm:         assert_screen 'linux-login';
tests/sles4sap/netweaver_ascs_install.pm:         text-login linux-login started-x-displaymanager-info
tests/virt_autotest/login_console.pm:     send_key_until_needlematch(['linux-login', 'virttest-displaymanager'
, 'ret', $timeout / 5, 5);
tests/virt_autotest/reboot_and_wait_up.pm:         assert_screen("text-login", 600);
tests/virtualization/prepare.pm:         assert_screen 'linux-login', 600;
tests/virtualization/xen/patch_and_reboot.pm:     send_key_until_needlematch('text-login', 'ret', 360, 5);
```

So let's take a look for places where we have "text-login" and decide which are ok to keep or not

```
$ git grep '<text-login\>'
lib/susedistribution.pm:         assert_screen "text-login", 10;

lib/susedistribution.pm:         assert_screen(["text-logged-in-$user", "text-login"], 60);
tests/console/copy_iso_to_external_drive.pm:     assert_screen "text-login";
tests/console/sle15_workarounds.pm:         assert_screen(["tty2-selected", 'text-login', 'text-logged-in-root'
, 'generic-desktop']);
tests/installation/reboot_eject_cd.pm:     assert_screen('text-login');
tests/sles4sap/netweaver_ascs_install.pm:         text-login linux-login started-x-displaymanager-info
```

```
tests/virt_autotest/reboot_and_wait_up.pm:      assert_screen("text-login", 600);
```

- 1. [ ] lib/susedistribution.pm: assert\_screen "text-login", 10;

is used in the live-cd accessing the "install-shell". That is used for example here:  
[https://openqa.opensuse.org/tests/688993#step/logs\\_from\\_installation\\_system/1](https://openqa.opensuse.org/tests/688993#step/logs_from_installation_system/1)

Could you please try to just remove that if (LIVECD) part?

- 2. [x] lib/susedistribution.pm: # Accept 'text-login' by default

should just be removed -> done with <https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/5219>

- 3. [ ] lib/susedistribution.pm: assert\_screen(["text-logged-in-\$user", "text-login"], 60);

is within \$type eq 'ssh' and I do not know if we still need that. Please take a look in used needles in scenarios using ssh and check where this part of the code is covered.

- 4. [ ] tests/console/sle15\_workarounds.pm: assert\_screen(["tty2-selected", "text-login", "text-logged-in-root", "generic-desktop"]);

Please discuss with test module maintainer @rwx788 how to proceed with this test module. The bug for which this code is used as workaround is still valid and open. One solution I could think of is renaming the test module. Maybe we do not need the text-login needle here but can just work with the tty2-selected needle although explicitly mentioning the tty number is not so good. Please look into extracting the current console number from the root console object.

- 5. [ ] tests/installation/reboot\_eject\_cd.pm: assert\_screen("text-login");

is used for example in [https://openqa.opensuse.org/tests/677992#step/reboot\\_eject\\_cd/1](https://openqa.opensuse.org/tests/677992#step/reboot_eject_cd/1) . I guess you can simply replace text-login by tty3-selected because one line above there is a send\_key 'ctrl-alt-f3'

- 6. [ ] tests/sles4sap/netweaver\_ascs\_install.pm: text-login linux-login started-x-displaymanager-info)

should be replaced by wait\_boot

- 7. [ ] tests/virt\_autotest/reboot\_and\_wait\_up.pm: assert\_screen("text-login", 600);

same, as already discussed yesterday, to be replaced by wait\_boot

#### #47 - 2019-08-05 10:49 - zluo

- Status changed from Workable to In Progress

- Assignee set to zluo

- Target version changed from future to Milestone 26

take over and checking current status.

#### #48 - 2019-08-05 13:15 - zluo

to check this later:

[http://f40.suse.de/tests/4821#next\\_previous](http://f40.suse.de/tests/4821#next_previous)

#### #49 - 2019-08-06 07:49 - zluo

- Status changed from In Progress to Rejected

this is not an issue anymore:

[http://f40.suse.de/tests/4869#next\\_previous](http://f40.suse.de/tests/4869#next_previous)

#### #50 - 2019-08-06 07:56 - okurz

- Status changed from Rejected to In Progress

Why do you think this is not an issue anymore when we still haven't fulfilled the requirements we have set on ourselves? Please read the ticket description and comments again.

#### #51 - 2019-08-12 08:26 - zluo

- Assignee deleted (zluo)

since the original issue doesn't happen anymore and this is not a priority at moment, I won't work on it.

**#52 - 2019-08-12 08:27 - zluo**

- Status changed from In Progress to Workable

**#53 - 2019-08-20 12:42 - mgriessmeier**

- Status changed from Workable to New

- Priority changed from Normal to High

- Target version changed from Milestone 26 to Milestone 27

discuss in grooming again ...

**#54 - 2019-08-23 09:01 - SLindoMansilla**

- Description updated

- Status changed from New to Workable

- Priority changed from High to Normal

**#55 - 2019-08-23 11:28 - SLindoMansilla**

- Estimated time set to 42.00 h

**#56 - 2019-09-16 09:11 - mgriessmeier**

- Target version changed from Milestone 27 to Milestone 28

**#57 - 2019-10-14 07:49 - okurz**

- Related to action #36126: [functional][u] post\_fail\_hook matches on "text\_login\_root" before actual tty switch and therefore never logs in added

**#58 - 2019-11-27 09:29 - zluo**

- Status changed from Workable to In Progress

- Assignee set to zluo

take over and check if this is a similar issue because I'm working on <https://progress.opensuse.org/issues/36126>

**#59 - 2019-11-27 11:09 - zluo**

found still some text-login:

text-login-20130711.json: "text-login"

text-login-20160812.json: "text-login"

text-login-20170427.json: "text-login"

text-login-20170504.json: "text-login"

We still have following test modules:

```
lib/sles4sap.pm:      text-login linux-login started-x-displaymanager-info)
lib/susedistribution.pm:  assert_screen "text-login", 10;
lib/susedistribution.pm:  assert_screen(["text-logged-in-$user", "text-login"], 60);
tests/console/copy_iso_to_external_drive.pm:  assert_screen "text-login";
tests/console/sle15_workarounds.pm:  assert_screen(["tty2-selected", 'text-login', 'text-logged-in-root', 'generic-desktop']);
tests/installation/reboot_eject_cd.pm:  assert_screen('text-login');
tests/systemd_testsuite/test_09_issue_2691.pm:  send_key_until_needlematch('text-login', 'ret', 360, 5);
tests/virt_autotest/reboot_and_wait_up.pm:  assert_screen("text-login", 600);
```

above test modules are tested for sle but not for opensuse.

To compare with #46 and consider to how to process with this ticket again.

**#60 - 2019-11-27 11:27 - zluo**

found:

```
lib/caasp.pm:  assert_screen 'linux-login-casp', 150;
lib/caasp.pm:  # Don't match linux-login-casp twice
lib/caasp.pm:  assert_screen [qw(grub2 linux-login-casp)], 150;
lib/locale.pm:  assert_screen([qw(linux-login cleared-console)]);
lib/locale.pm:  assert_screen(has_ttys() ? 'linux-login' : 'cleared_console');
lib/migration.pm:# Assert screen 'linux-login' with 200s
lib/migration.pm:  if (!check_screen('linux-login', 200)) {
lib/opensusebasetest.pm:  my $textmode_needles = [qw(linux-login emergency-shell emergency-mode)];
```



```

lib/opensusebasetest.pm: # 2nd stage of autoyast can be considered as linux-login
lib/sles4sap.pm:         text-login linux-login started-x-displaymanager-info)
lib/systemd_testsuite_test.pm: assert_screen('linux-login', 300);
lib/transactional.pm:    assert_screen 'linux-login', 200;
tests/autoyast/installation.pm: push @needles, 'linux-login-casp' if is_caasp;
tests/autoyast/installation.pm: || match_has_tag('linux-login-casp')
tests/boot/boot_from_pxe.pm:    assert_screen 'linux-login', 100;
tests/boot/boot_linuxrc.pm:    assert_screen([qw(linux-login displaymanager generic-desktop)], 180);
tests/boot/grub2_test.pm:    assert_screen 'linux-login', 200;
tests/boot/grub2_test.pm:    assert_screen 'linux-login', 300;
tests/boot/grub2_test.pm:    assert_screen 'linux-login', 200;
tests/boot/grub2_test.pm:    assert_screen 'linux-login', 100;
tests/installation/boot_into_snapshot.pm: assert_screen 'linux-login', 200;
tests/installation/first_boot.pm:    assert_screen('linux-login', $boot_timeout) unless check_var('ARCH', 's390x');
tests/installation/ipxe_install.pm: assert_screen('linux-login', 1800);
tests/jeos/firstrun.pm:    assert_screen [qw(linux-login reached-power-off)], 1000;
tests/jeos/prepare_firstboot.pm:    assert_screen('linux-login', 300);
tests/kernel/boot_ltp.pm:    assert_screen('linux-login', 1800);
tests/kernel/build_git_kernel.pm:    assert_screen('linux-login', 1800);
tests/kernel/kernel_kexec.pm: # clear console to prevent linux-login to match before reboot
tests/kernel/kernel_kexec.pm:    assert_screen('linux-login', 300);
tests/kernel/mellanox_config.pm:    assert_screen('linux-login', 1800);
tests/kernel_performance/run_perf_case.pm:    assert_screen('linux-login', $timeout);
tests/kiwi_images_test/kiwi_boot.pm:    assert_screen('linux-login', 1200);
tests/kiwi_images_test/kiwi_boot.pm:    assert_screen('linux-login', 1000);
tests/kiwi_images_test/login_reboot.pm:    assert_screen('linux-login', 120);
tests/kiwi_images_test/validate_build.pm:    assert_screen('linux-login', 120);
tests/locale/keymap_or_locale.pm:    assert_screen([qw(linux-login cleared-console)]);
tests/qam-minimal/install_update.pm:    assert_screen 'linux-login', 90;
tests/virt_autotest/login_console.pm:    send_key_until_needlematch(['linux-login', 'virttest-displaymanager'], 'ret', $counter, $timeout);
tests/virt_autotest/login_console.pm:    assert_screen("will-linux-login", $timeout);
tests/virt_autotest/login_console.pm:    last if (check_screen([qw(linux-login virttest-displaymanager)], 60));
tests/virtualization/prepare.pm:    assert_screen 'linux-login', 600;

```

tag 'linux-login' found from needles:

```

linux-login-20140916.json: "linux-login"
linux-login-autoyast-20150724.json: "linux-login"
linux-login-autoyast-20160822.json: "linux-login"
linux-login-autoyast-20191126.json: "linux-login",
linux-login-kubic-20180201.json: "linux-login-casp"
linux-login-kubic-20190408.json: "linux-login-casp"
linux-login-kubic-20190415.json: "linux-login-casp"
linux-login-kubic-20191031.json: "linux-login-casp"

```

#### #61 - 2019-11-27 12:15 - zluo

[http://f40.suse.de/tests/5546#step/zypper\\_up/1](http://f40.suse.de/tests/5546#step/zypper_up/1) (JeOS-for-kvm-and-xen-x86\_64-Build17.7-jeos@64bit\_virtio-2G)  
[http://f40.suse.de/tests/5547#step/zypper\\_up/1](http://f40.suse.de/tests/5547#step/zypper_up/1) (Tumbleweed-NET-x86\_64-Build20191126-textmode@64bit)  
[http://f40.suse.de/tests/5548#step/zypper\\_up/1](http://f40.suse.de/tests/5548#step/zypper_up/1) (opensuse-15.1-DVD-Updates-x86\_64-Build20191127-2-textmode@64bit)  
[http://f40.suse.de/tests/5549#step/zypper\\_up/1](http://f40.suse.de/tests/5549#step/zypper_up/1) (opensuse-15.0-DVD-Updates-x86\_64-Build20191127-2-textmode@64bit)

show that root-console-20170321 is used. We don't have problem at moment for opensuse. And we can delete text-login from opensuse needle repository.

#### #62 - 2019-11-27 12:36 - zluo

needle PR for opensuse:  
<https://github.com/os-autoinst/os-autoinst-needles-opensuse/pull/617>  
[https://openqa.opensuse.org/tests/1096840#step/reboot\\_eject\\_cd/1](https://openqa.opensuse.org/tests/1096840#step/reboot_eject_cd/1) still use text-login  
will update this.

#### #63 - 2019-11-27 12:55 - zluo

[http://f40.suse.de/tests/5551#step/zypper\\_up/41](http://f40.suse.de/tests/5551#step/zypper_up/41) shows network issue and triggers later post\_fail\_hook:  
[http://f40.suse.de/tests/5551#step/zypper\\_up/41](http://f40.suse.de/tests/5551#step/zypper_up/41)

tty5-selected is then correctly use now. So we are safe to remove text-login.

#### #64 - 2019-11-27 14:08 - zluo

PR in WIP:  
<https://openqa.opensuse.org/tests/1097178#live>

#65 - 2019-11-28 08:41 - zluo

<https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/9014> looks good on o3.

#66 - 2019-11-28 09:35 - zluo

Now checking linux-login tag which is used by opensuse:

```
lib/caasp.pm: assert_screen 'linux-login-casp', 150;
lib/caasp.pm: # Don't match linux-login-casp twice
lib/caasp.pm: assert_screen [qw(grub2 linux-login-casp)], 150;
lib/locale.pm: assert_screen([qw(linux-login cleared-console)];
lib/locale.pm: assert_screen(has_ttys() ? 'linux-login' : 'cleared_console');
lib/migration.pm:# Assert screen 'linux-login' with 200s
lib/migration.pm: if (!check_screen('linux-login', 200)) {
lib/opensusebasetest.pm: my $textmode_needles = [qw(linux-login emergency-shell emergency-mode)];
lib/opensusebasetest.pm: # 2nd stage of autoyast can be considered as linux-login
lib/sles4sap.pm: text-login linux-login started-x-displaymanager-info)
lib/systemd_testsuite_test.pm: assert_screen('linux-login', 300);
lib/transactional.pm: assert_screen 'linux-login', 200;
tests/autoyast/installation.pm: push @needles, 'linux-login-casp' if is_caasp;
tests/autoyast/installation.pm: || match_has_tag('linux-login-casp')
tests/boot/boot_from_pxe.pm: assert_screen 'linux-login', 100;
tests/boot/boot_linuirc.pm: assert_screen([qw(linux-login displaymanager generic-desktop)], 180);
tests/boot/grub2_test.pm: assert_screen 'linux-login', 200;
tests/boot/grub2_test.pm: assert_screen 'linux-login', 300;
tests/boot/grub2_test.pm: assert_screen 'linux-login', 200;
tests/boot/grub2_test.pm: assert_screen 'linux-login', 100;
tests/installation/boot_into_snapshot.pm: assert_screen 'linux-login', 200;
tests/installation/first_boot.pm: assert_screen('linux-login', $boot_timeout) unless check_var('ARCH', 's390x');
tests/installation/ipxe_install.pm: assert_screen('linux-login', 1800);
tests/jeos/firstrun.pm: assert_screen [qw(linux-login reached-power-off)], 1000;
tests/jeos/prepare_firstboot.pm: assert_screen('linux-login', 300);
tests/kernel/boot_ltp.pm: assert_screen('linux-login', 1800);
tests/kernel/build_git_kernel.pm: assert_screen('linux-login', 1800);
tests/kernel/kernel_kexec.pm: # clear console to prevent linux-login to match before reboot
tests/kernel/kernel_kexec.pm: assert_screen('linux-login', 300);
tests/kernel/mellanox_config.pm: assert_screen('linux-login', 1800);
tests/kernel_performance/run_perf_case.pm: assert_screen('linux-login', $timeout);
tests/kiwi_images_test/kiwi_boot.pm: assert_screen('linux-login', 1200);
tests/kiwi_images_test/kiwi_boot.pm: assert_screen('linux-login', 1000);
tests/kiwi_images_test/login_reboot.pm: assert_screen('linux-login', 120);
tests/kiwi_images_test/validate_build.pm: assert_screen('linux-login', 120);
tests/locale/keymap_or_locale.pm: assert_screen([qw(linux-login cleared-console)];
tests/qam-minimal/install_update.pm: assert_screen 'linux-login', 90;
tests/virt_autotest/login_console.pm: send_key_until_needlematch(['linux-login', 'virttest-displaymanager'], 'ret', $counter, $timeout);
tests/virt_autotest/login_console.pm: assert_screen('will-linux-login', $timeout);
tests/virt_autotest/login_console.pm: last if (check_screen([qw(linux-login virttest-displaymanager)], 60));
tests/virtualization/prepare.pm: assert_screen 'linux-login', 600;
```

--

found: first\_boot.pm, firstrun.pm, keymap\_or\_locale.pm are valid for opensuse tw.

Need to check these test modules for sle and create required needle 'tty\$Nr-selected' as well!

#67 - 2019-11-28 13:54 - zluo

<http://f40.suse.de/tests/5567> done for first\_boot and keymap\_or\_locale.

#68 - 2019-11-28 15:05 - zluo

<http://f40.suse.de/tests/5574#step/firstrun/7> shows successful test run with a new needle 'tty6-selected'.

#69 - 2019-11-28 15:31 - zluo

needle PR: <https://github.com/os-autoinst/os-autoinst-needles-opensuse/pull/619>

#70 - 2019-11-29 08:57 - zluo

for sle-15-SP2-Online-x86\_64-Build93.1-gnome@64bit:

<http://f40.suse.de/tests/5576>

first\_boot and keymap\_or\_locale are not effected by code changes:

```
elsif ((get_var('DESKTOP', '') =~ /textmode|serverro/) || get_var('BOOT_TO_SNAPSHOT')) {
my $tty = get_root_console_tty;
assert_screen("tty$tty-selected", $boot_timeout) unless check_var('ARCH', 's390x');
return;
```

```
}  
and  
assert_screen(["qw("tty$TTY-selected" cleared-console)]);
```

**#71 - 2019-11-29 10:27 - dimstar**

- Priority changed from Normal to Urgent

zluo wrote:

needle PR: <https://github.com/os-autoinst/os-autoinst-needles-opensuse/pull/619>

This has been merged and the live installer in Tumbleweed are now broken

[https://openqa.opensuse.org/tests/1099159#next\\_previous](https://openqa.opensuse.org/tests/1099159#next_previous)

**#72 - 2019-11-29 10:52 - okurz**

I have merged a revert <https://github.com/os-autoinst/os-autoinst-needles-opensuse/pull/620> for now. Please see my comment <https://github.com/os-autoinst/os-autoinst-needles-opensuse/pull/617#issuecomment-559749693>

**#73 - 2019-11-29 11:36 - zluo**

okay, will check this then.

**#74 - 2019-11-29 11:37 - zluo**

PR to handle linux-login:

<https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/9034>

**#75 - 2019-11-29 14:14 - zluo**

test\_09\_issue\_2691:

[http://f40.suse.de/tests/5585#step/test\\_09\\_issue\\_2691/1](http://f40.suse.de/tests/5585#step/test_09_issue_2691/1) shows that needle match and it has tags: text-login and tty6-selected

**#76 - 2019-12-02 09:05 - zluo**

installation\_overview.pm still uses tag 'text-login', need to check where this is coming from. it comes from install-shell - > text-login. Change it to tty2-selected:

[http://f40.suse.de/tests/5589#step/installation\\_overview/2](http://f40.suse.de/tests/5589#step/installation_overview/2)

**#77 - 2019-12-02 11:04 - zluo**

clone <https://openqa.suse.de/tests/3641764> for change 'tty1-selected' in tests/virt\_autotest/reboot\_and\_wait\_up.pm

**#78 - 2019-12-02 11:08 - zluo**

to check <https://openqa.suse.de/tests/3646292>

**#79 - 2019-12-02 13:47 - zluo**

PR created:

<https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/9048>

**#80 - 2019-12-02 14:11 - zluo**

- Status changed from In Progress to Feedback

- Priority changed from Urgent to High

**#81 - 2020-01-03 09:17 - mgriessmeier**

- Target version changed from Milestone 28 to Milestone 30

needs to be discussed offline

**#82 - 2020-01-07 10:15 - okurz**

- Related to action #57281: [sle][Migration][SLE15SP2] test fails in orphaned\_packages\_check - switch to tty failed added

**#83 - 2020-01-30 08:34 - zluo**

<https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/9048> merged now.

checking now old PR <https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/9034>

first\_boot.pm got changed and it uses now function wait\_boot\_past\_bootloader and verify this change by test runs:

```
diff --git a/lib/opensusebasetest.pm b/lib/opensusebasetest.pm
index 08648c884..6b5ee125b 100644
--- a/lib/opensusebasetest.pm
+++ b/lib/opensusebasetest.pm
@@ -806,7 +806,7 @@ sub wait_boot_textmode {
return if check_var('ARCH', 's390x');
my $ready_time      = $args{ready_time};
-   my $textmode_needles = [qw(linux-login emergency-shell emergency-mode)];
+   my $textmode_needles = [qw(tty1-selected emergency-shell emergency-mode)];
# 2nd stage of autoyast can be considered as linux-login
push @{$textmode_needles}, 'autoyast-init-second-stage' if get_var('AUTOYAST');
# Soft-fail for user_defined_snapshot in extra_tests_on_gnome and extra_tests_on_gnome_on_ppc
```

**#84 - 2020-01-30 13:40 - zluo**

<https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/9034> updated now.

**#85 - 2020-02-03 04:01 - xlai**

zluo wrote:

<https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/9034> updated now.

[zluokurz](#) Would really appreciate if we can be involved in solution discussion and PR review earlier if next time such big influence changes are made. Our tests in latest build 134.1 fail a lot at matching tty1-selected in <https://openqa.nue.suse.com/tests/overview?distri=sle&version=15-SP2&build=134.1&groupid=263>.

**#86 - 2020-02-03 05:36 - okurz**

xlai wrote:

zluo wrote:

<https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/9034> updated now.

[zluokurz](#) Would really appreciate if we can be involved in solution discussion and PR review earlier if next time such big influence changes are made.

I didn't do any changes within the last year. I only participated in review and merged a *revert* so far. The above mentioned PR was already reverted in <https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/9473> so maybe a retrigger should work. In general you can participate in the solution discussion since two years (!) but I did not see any comment by you in this ticket. Also the PR <https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/9034> was merged after being open for more than 2 months (!) so you could have looked into the PR for a very long time already. Expecting anyone would decide when to personally ping you or not on individual pull requests is an approach which can be used in exceptions but it isn't going to scale well. IMHO the pull request being open for two months is more than enough. However I grant you that the PR has a lacking description and was ill-prepared and is missing a lot of verification runs. Early review can all help with this.

EDIT: sorry, meant to cross-check mainly IPMI, not (only) ssh

**#87 - 2020-02-03 06:19 - xlai**

okurz wrote:

xlai wrote:

zluo wrote:

<https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/9034> updated now.

[zluokurz](#) Would really appreciate if we can be involved in solution discussion and PR review earlier if next time such big influence changes are made.

I didn't do any changes within the last year. I only participated in review and merged a *revert* so far. The above mentioned PR was already

reverted in <https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/9473> so maybe a retrigger should work.

I at you because you are the creator of this ticket and I thought you created the "expected results" and "tasks" , which showed the solution. Hope you do not mind :).

In general you can participate in the solution discussion since two years (!) but I did not see any comment by you in this ticket. Also the PR <https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/9034> was merged after being open for more than 2 months (!) so you could have looked into the PR for a very long time already. Expecting anyone would decide when to personally ping you or not on individual pull requests is an approach which can be used in exceptions but it isn't going to scale well. IMHO the pull request being open for two months is more than enough. However I grant you that the PR has a lacking description and was ill-prepared and is missing a lot of verification runs. Early review can all help with this.

Yes, you are right. But looking into all open PRs and reviewing them will take a lot of time. It is quite expensive to be aware of the big changes from this PR review way. It is a common challenge for most openqa test code maintainers.

[zluoSLindoMansilla](#) Introducing a check for "tty1" is IMHO a pretty bad idea and far from the original idea of this ticket. Our tests should stay generic and keep systems in mind that do not have tty's, e.g. remote systems where we login over ssh.

I am afraid so. There should be a better way to solve the original ticket. Now virtualization tests are blocked a lot. And the influence of replacing such general needle "linux-login" should be much bigger.

#### #88 - 2020-02-03 08:11 - okurz

I at you because you are the creator of this ticket and I thought you created the "expected results" and "tasks" , which showed the solution. Hope you do not mind :).

I think you did good. Just wanted to put in perspective what my current impact is :)

Yes, you are right. But looking into all open PRs and reviewing them will take a lot of time. It is quite expensive to be aware of the big changes from this PR review way. It is a common challenge for most openqa test code maintainers.

I understand that. Basically I see three different choices as of now:

1. Review PRs, at best *before* merge
2. Investigate which test changes can explain a test fail. This is also now provided in the "Investigation" tab of each test

#### #89 - 2020-02-03 10:15 - SLindoMansilla

Suggestion:

- create a new needle covering the ttyS1 terminal with tag 'ttyS1-selected'.
- Or revert this specific change and leave text-login as general needle.

#### #90 - 2020-02-03 14:49 - zluo

since PR for linux-login got reverted, and I created now a new PR to fix issue:

<https://openqa.nue.suse.com/tests/3853054>

This should be safe from now with <https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/9487> (still need verification run).

#### #91 - 2020-02-04 08:26 - zluo

[https://openqa.suse.de/tests/3858631#step/reboot\\_and\\_wait\\_up\\_normal/4](https://openqa.suse.de/tests/3858631#step/reboot_and_wait_up_normal/4) looks good. The new needle created contains 2 tags: ttys1-selected and tty1-selected

#### #92 - 2020-02-05 12:54 - zluo

delete ttys1-selected:

[https://gitlab.suse.de/openqa/os-autoinst-needles-sles/merge\\_requests/1318](https://gitlab.suse.de/openqa/os-autoinst-needles-sles/merge_requests/1318)

and created new PR to fix the issue for reboot\_ans\_wait\_up:

<https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/9487>

#### #93 - 2020-02-06 09:01 - zluo

since my PR got reverted again, we can do this now:

Or revert this specific change and leave text-login as general needle

However with a new needle it fixed the issue, but actually this not easy to cover all cases which text-login still used widely for other tests/team, maybe this is better, don't to try this for now till we have a better idea.

See example:

[https://149.44.176.58/tests/3869862#step/reboot\\_and\\_wait\\_up\\_normal/4](https://149.44.176.58/tests/3869862#step/reboot_and_wait_up_normal/4)

**#94 - 2020-02-06 09:25 - zluo**

- Status changed from Feedback to Workable
- Assignee deleted (zluo)

since my PR got reverted again, we can do this now:

Or revert this specific change and leave text-login as general needle

However with a new needle it fixed the issue, but actually this not easy to cover all cases where text-login is still used widely. Maybe this is better, don't to try this for now till we have a "final" solution.

**#95 - 2020-02-07 00:09 - xlai**

This change still fails 3 tests in virtualization-acceptance job group, <https://openqa.nue.suse.com/tests/overview?distri=sle&version=15-SP2&build=136.2&groupid=263>. It also fails several tests in virtualization-milestone group, although some are still scheduled, <https://openqa.nue.suse.com/tests/overview?distri=sle&version=15-SP2&build=136.2&groupid=264>.

So due to this change, we can not deliver the public beta candidate acceptance test report in time.

If a full support can not be done, I strongly suggest a full revert of all PRs, rather than partially revert and partially keep. @mgressimier [zluo](#), how do you think?

**#96 - 2020-02-07 09:21 - SLindoMansilla**

- Status changed from Workable to New

To be discussed again

**#97 - 2020-02-07 09:21 - SLindoMansilla**

- Priority changed from High to Normal

**#98 - 2020-03-06 10:46 - okurz**

- Category changed from Bugs in existing tests to Enhancement to existing tests

Actually the original issue is fixed since long but the enhancement as mentioned in the subject is still valid.

**#99 - 2020-11-06 10:31 - tjyrinki\_suse**

- Subject changed from *[functional][opensuse][u][medium] too early matching in too generic needle text-login-20160812* to *[qe-core][functional][opensuse][medium] too early matching in too generic needle text-login-20160812*