openQA Tests - action #81835
`/dev/sshserial` is broken on generalhw backend
2021-01-06 16:31 - ggardet_arm

Status: Resolved
Priority: High
Assignee: ggardet_arm
Category: Bugs in existing tests
Target version: future

Description

Observation
openQA test in scenario opensuse-Tumbleweed-JeOS-for-RPi-arch64-jeos-containers@RPi3 fails in prepare_firstboot
/dev/sshserial is broken on generalhw backend, so all Raspberry Pi tests are red.

Test suite description
JeOS as container host. Test container runtimes (podman and docker) and related tools

Reproducible
Fails since (at least) Build 20210105 (current job)

Expected result
Last good: 20201228 (or more recent)

Further details
Always latest result in this scenario: latest

History
#1 - 2021-01-07 16:07 - okurz
- Target version set to future

Unfortunately I do not have a good idea what could have broken this. I assume you have the best chances to fix this with access to Raspberry Pi runners.

#2 - 2021-01-08 12:30 - ggardet_arm
Latest working log:

[OmgOT_GO

37m[2020-12-29T18:25:54.776 CET] [debug] Snapshots are not supported
[0m[2020-12-29T18:25:54.784 CET] [debug] ||| starting prepare_firstboot tests/jeos/prepare_firstboot.pm
[0m[2020-12-29T18:25:54.787 CET] [debug] tests/jeos/prepare_firstboot.pm:36 called opensusebasetest::select_serial Terminal -> lib/opensusebasetest.pm:1240 called testapi::select_console
[2020-12-29T18:25:54.788 CET] [debug] <<< testapi::select_console(testapi_console="root-ssh")
/usr/lib/os-autoinst/consoles/vnc_base.pm:62:
   "port" => 45377,
   "hostname" => "localhost",
   "ikvm" => 0
]
[37m[2020-12-29T18:25:55.341 CET] [debug] Connected to Xvnc - PID 25526
[0m[2020-12-29T18:25:55.341 CET] [debug] Wait for SSH on host 192.168.0.54 (timeout: 240)

2021-05-24
VS current log:

So, it seems the problem comes from: https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/11625

The log says that SSH can't connect to the SUT at all.

You can try swapping $self->select_serial_terminal; for select_console('root-ssh'); to restore the original behavior here: https://github.com/os-autoinst/os-autoinst-distri-opensuse/blob/master/tests/jeos/prepare_firstboot.pm#L36

By I seriously doubt that it'll work. You'll just get the same error because the SUT appears to be unreachable via network in the first place.
The log says that SSH can't connect to the SUT at all.

This is expected at this point as we just switched on the SUT. The previous behavior was waiting for the SUT appears on Network, with a timeout.

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It seems you recreated something which existed before, with a slightly different behavior. Your patch expect the SUT to be already reachable, which is not the case yet, here.

#6 - 2021-01-08 13:45 - MDoucha

ggardet_arm wrote:

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It's not safe to call select_serial_terminal before the SUT is fully booted. There are multiple console backends in there which require access to interactive shell on previous console to be activated.

#7 - 2021-01-08 13:54 - ggardet_arm

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It worked perfectly fine before your patch.
All the code needed to wait for the SUT is there for more than a year [0] and used every day.

#8 - 2021-01-08 14:03 - MDoucha

ggardet_arm wrote:

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[0]: https://github.com/os-autoinst/os-autoinst/pull/1304

Because your code was relying on special behavior of the root-ssh console. Select it explicitly with select_console('root-ssh'); and wait for login prompt. Then you can safely call select_serial_terminal if you want a better console than VNC.

#9 - 2021-01-11 08:21 - ggardet_arm

- Status changed from New to Resolved
- Assignee set to ggardet_arm

Fixed: https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/11715