*openQA Tests - action #45713*

**[functional][u] test for nested virtualization / qemu / typing over VNC**

04/01/2019 09:26 am - okurz

| Status: | Resolved |
| Priority: | Normal |
| Assignee: | dheidler |
| Category: | New test |
| Target version: | Milestone 23 |
| Difficulty: | |
| Start date: | 02/01/2019 |
| Due date: | |
| % Done: | 0% |
| Estimated time: | 0.00 hour |

**Description**

**Motivation**

"typing issues" make us a lot of problems and they are hard to debug, e.g. see #45650. Also we are not sure if it's the worker or the SUT misbehaving so we should have better tests covering nested virtualization, qemu and especially typing over VNC.

**Suggestions**

- #41093 first, then extend tests, e.g. use the "typing" tests we have from os-autoinst and openQA

**Related issues:**

- Blocked by openQA Tests - action # 41093: [opensuse][functional][u] test fail... Resolved 14/09/2018 23/10/2018
- Copied from openQA Tests - action # 45650: [functional][u][aarch64] test fail... Resolved 02/01/2019

**History**

**#1 - 04/01/2019 09:26 am - okurz**

- Copied from action #45650: [functional][u][aarch64] test fails in first_boot because of username letters not written in capital case during installation user_settings added

**#2 - 04/01/2019 09:27 am - okurz**

- Blocked by action #41093: [opensuse][functional][u] test fails in virt_install - default network not available anymore added

**#3 - 31/01/2019 10:06 am - dheidler**

- Assignee set to dheidler

**#4 - 05/02/2019 04:01 pm - dheidler**

- Status changed from New to In Progress

**#5 - 06/02/2019 03:30 pm - dheidler**

I really wonder why everything I touch breaks:

Nested intel kvm not working with current tumbleweed 20190205: KVM internal error. Suberror: 1 - emulation failure
https://bugzilla.opensuse.org/show_bug.cgi?id=1124504

**#6 - 07/02/2019 09:44 am - dheidler**

Problems with KVM on POWER9: https://bugzilla.suse.com/show_bug.cgi?id=1124589

**#7 - 07/02/2019 10:12 am - dheidler**
qemu on s390x fails when called WITHOUT kvm: https://bugzilla.suse.com/show_bug.cgi?id=1124595

#8 - 08/02/2019 11:48 pm - okurz
dheidler wrote:

I really wonder why everything I touch breaks:

Well, because you like to pick tickets that increase the test coverage. You wouldn't expect any "untested" areas to "just work", do you? ;)

#9 - 12/02/2019 09:54 am - szarate

As discussed during the meeting:

https://gitlab.suse.de/openqa/salt-states-openqa/blob/master/openqa/worker.sls#L276

# in:/etc/default/grub
GRUB_CMDLINE_LINUX_DEFAULT "console=tty0 yourparameters=gohere"

#10 - 12/02/2019 12:32 pm - dheidler

https://gitlab.suse.de/openqa/salt-states-openqa/merge_requests/95/diffs

#11 - 12/02/2019 01:27 pm - dheidler

https://lore.kernel.org/patchwork/patch/811005/

Kernel parameter kvm-arm.nested=1 is available but ignored until nested virt on arm is supported.

#12 - 13/02/2019 01:06 pm - dheidler

- Status changed from In Progress to Blocked

Waiting for https://gitlab.suse.de/openqa/salt-states-openqa/merge_requests/95

#13 - 26/02/2019 01:15 pm - dheidler

MR merged.
Restarted OSD x86_64 workers and made sure that nested virt is enabled:

- openqaw1
- openqaw2
- openqaworker2
- openqaworker3
- openqaworker5
Don't run kvm test on aarch64: https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/6909

https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/6917

Verification:

SLE15SP1:
- https://openqa.suse.de/tests/2503844
- https://openqa.suse.de/tests/2502067
- https://openqa.suse.de/tests/2505070
- https://openqa.suse.de/tests/2502071

SLE12SP5:
- https://openqa.suse.de/tests/2503843
- https://openqa.suse.de/tests/2503929
- https://openqa.suse.de/tests/2505072

TW: https://openqa.opensuse.org/tests/864380
LEAP15.1: https://openqa.opensuse.org/tests/864932