

## openQA Project - action #46349

### [s390x] Add qemu backend support

2019-01-17 17:44 - ldevulder

<b>Status:</b> New	<b>Start date:</b> 2019-01-17
<b>Priority:</b> Low	<b>Due date:</b>
<b>Assignee:</b>	<b>% Done:</b> 0%
<b>Category:</b> Feature requests	<b>Estimated time:</b> 0.00 hour
<b>Target version:</b> future	
<b>Difficulty:</b>	
<b>Description</b> At this time, qemu/kvm VM are not using qemu backend like in aarch64/x86_64/ppc64le but instead are running on s390x using bootloader_zkvm.  This is mainly because there is no VNC access because there is no "GPU" available for s390x in qemu (and on a real hardware too!).  But a virtio-gpu has been added in recent qemu/kernel [1], so this could be the first step of a way to use qemu backend.  [1] <a href="https://lists.gnu.org/archive/html/qemu-devel/2017-09/msg04184.html">https://lists.gnu.org/archive/html/qemu-devel/2017-09/msg04184.html</a>	
<b>Related issues:</b>	
Related to openQA Tests - action #48434: [functional][u] test Tumbleweed s390...	<b>Resolved</b> 2019-02-26
Precedes openQA Tests - action #45158: [systemd] Implement systemd testsuite ...	<b>Resolved</b> 2019-01-18

#### History

##### #1 - 2019-01-17 17:46 - ldevulder

A Proof-Of-Concept can be done with a recent qemu/kernel, but maybe a openSUSE Tumbleweed is needed for this. But TW is not available anymore since about 2 years because of a lack of maintainer...

##### #2 - 2019-01-17 19:07 - okurz

so you know what you would need to do ;)

##### #3 - 2019-01-17 21:44 - ldevulder

okurz wrote:

so you know what you would need to do ;)

Yes! But time is the main issue, as usual ;)

But I will try.

##### #4 - 2019-01-18 10:28 - SLindoMansilla

- Precedes action #45158: [systemd] Implement systemd testsuite as openQA perl module added

##### #5 - 2019-01-18 10:36 - ldevulder

openQA should also be compiled for s390x.

I have one available on OBS for SLE15:

- <https://build.opensuse.org/project/show/home:ldevulder:openQA>
- <https://build.opensuse.org/project/show/home:ldevulder:openQA:SLE-15>

##### #6 - 2019-01-21 12:47 - SLindoMansilla

OBS project for s390x installation media: <https://build.opensuse.org/project/show/openSUSE:Factory:zSystems>

##### #7 - 2019-02-26 16:10 - okurz

- Related to action #48434: [functional][u] test Tumbleweed s390x again added

**#8 - 2019-03-21 08:55 - SLindoMansilla**

- Blocks action #47852: [qe-core][functional] test fails in firefox - use of milestones whenever possible to reduce waste added

**#9 - 2019-08-20 14:08 - okurz**

- Project changed from openQA Infrastructure to openQA Project

- Category set to Feature requests

- Priority changed from Normal to Low

- Target version set to future

I guess this would fit better in the openQA main project

**#10 - 2019-08-21 05:32 - coolo**

This might be an interesting stunt, but as long as customers run our products on zKVM systems (or whatever the current brand name is), this is what we will test.

**#11 - 2020-03-04 10:22 - SLindoMansilla**

one step closer: TW on s390x is being shipped [https://openqa.opensuse.org/group\\_overview/34](https://openqa.opensuse.org/group_overview/34)

**#12 - 2021-02-16 08:17 - szarate**

- Blocks deleted (action #47852: [qe-core][functional] test fails in firefox - use of milestones whenever possible to reduce waste)