

openQA Tests - action #45158

[systemd] Implement systemd testsuite as openQA perl module

2018-12-13 17:41 - SLindoMansilla

Status:	In Progress	Start date:	2019-01-18															
Priority:	Low	Due date:																
Assignee:	tsaupe	% Done:	0%															
Category:	Enhancement to existing tests	Estimated time:	0.00 hour															
Target version:	future																	
Difficulty:																		
Description																		
Motivation																		
<p>We are using the systemd's upstream test suite, but it is designed to run at build time. With some patches done by tsaupé, we are able to run the test suite in a running system.</p> <p>Find the custom systemd-testsuite here:</p> <ul style="list-style-type: none">• https://build.opensuse.org/package/show/devel:openSUSE:QA:Tumbleweed/systemd-v237-testsuite• https://build.suse.de/package/show/QA:SLE15/systemd-v234-testsuite <p>In our effort to run automatic tests (openQA) on all 4 supported architectures (aarch64, ppc64le, s390x and x86_64), we have faced several issues.</p> <p>suse_patches-systemd_testsuite:</p> <ul style="list-style-type: none">• Tumbleweed#latest• SLE15-SP1-aarch64#latest• SLE15-SP1-ppc64le#latest• SLE15-SP1-s390x#latest• SLE15-SP1-x86_64#latest <p>Known problems</p> <ul style="list-style-type: none">• Nested virtualization (systemd-qemu's testsuite running on top of openQA qemu [even running on top of a VM s390x]) causes a lot of hangs on tests. In order to avoid this nested virtualization, we would need implement those test as an openQA perl module.• Test suite maintenance: The maintenance of the test suite used in openQA became very difficult.<ul style="list-style-type: none">◦ Factory currently using v239: Starting from systemd-v237 (Tumbleweed), some test of the upstream test suite stopped working because they need a seed generated at build time for the systemd package. Since the custom systemd-testsuite by tsaupé is build in a separate OBS package, it doesn't have the same seed and the test fails to run. Find the OBS package here: https://build.opensuse.org/package/show/openSUSE:Factory/systemd◦ On development versions (Leap 15.1 and SLE 15-SP1 using systemd-v234) hangs on the test are reproducible as shown in previous jobs. Find the OBS package here: https://build.suse.de/package/show/home:fbui:systemd:SLE-15/systemd◦ On released versions, also maintenance (SLE 12-SP3, Leap 42.3) there is no OBS package, so this test suite is not executed on QAM for regressions qa_userspace_systemd is used instead)◦ See also related tickets, which could be resolved by this new approach. <p>Acceptance criteria</p> <ul style="list-style-type: none">• AC1: The upstream test suite is implemented as an openQA perl module to be executed as a normal test, not depending on any special OBS package.• AC2: Factory, development and maintenance openQA tests are able to use this new implemented module. <p>Related issues:</p> <table border="1"><tr><td>Related to openQA Tests - action #42722: [sle][systemd] test fails in systemd...</td><td>New</td><td>2018-10-19</td></tr><tr><td>Related to openQA Tests - coordination #39041: [functional][sle][u][epic] tes...</td><td>Rejected</td><td>2018-08-01</td></tr><tr><td>Related to openQA Tests - action #35080: [qe-core][functional][qem] Enable th...</td><td>New</td><td>2018-04-17</td></tr><tr><td>Related to openQA Tests - action #25210: [sle][functional] Add test suite pat...</td><td>Resolved</td><td>2017-09-12</td></tr><tr><td>Related to openQA Tests - action #36754: [qe-core][functional][systemd][mediu...</td><td>Resolved</td><td>2018-06-04</td></tr></table>				Related to openQA Tests - action #42722: [sle][systemd] test fails in systemd...	New	2018-10-19	Related to openQA Tests - coordination #39041: [functional][sle][u][epic] tes...	Rejected	2018-08-01	Related to openQA Tests - action #35080: [qe-core][functional][qem] Enable th...	New	2018-04-17	Related to openQA Tests - action #25210: [sle][functional] Add test suite pat...	Resolved	2017-09-12	Related to openQA Tests - action #36754: [qe-core][functional][systemd][mediu...	Resolved	2018-06-04
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Related to openQA Tests - action #36754: [qe-core][functional][systemd][mediu...	Resolved	2018-06-04																

Related to openQA Tests - coordination #23798: [qe-core][sles][functional][ep...	Resolved	2017-09-11
Has duplicate openQA Tests - action #51170: test fails in binary_tests	Rejected	2019-05-06
Follows openQA Project - action #46349: [s390x] Add qemu backend support	New	2019-01-17

History

#1 - 2018-12-14 12:30 - SLindoMansilla

- Related to action #42722: [sle][systemd] test fails in systemd_testsuite - Race condition of time sensitive tests on slow performance machines added

#2 - 2018-12-14 12:30 - SLindoMansilla

- Related to coordination #39041: [functional][sle][u][epic] test fails in systemd_testsuite - Adapt test suite 'suse_patches-systemd_testsuite' for SLE 12 added

#3 - 2018-12-14 12:33 - SLindoMansilla

- Related to action #35080: [qe-core][functional][qem] Enable the test suite for systemd on SLE12-SP4/5 added

#4 - 2018-12-14 12:33 - SLindoMansilla

- Related to action #25210: [sle][functional] Add test suite patched_systemd added

#5 - 2018-12-14 12:33 - SLindoMansilla

- Related to coordination #34996: [qe-core][functional][opensuse][epic] test fails in systemd_testsuite - TEST-16-EXTEND-TIMEOUT works only when executed against systemd built in the same specfile added

#6 - 2018-12-14 12:34 - SLindoMansilla

- Related to action #36754: [qe-core][functional][systemd][medium] test fails in systemd_testsuite - needs further investigation added

#7 - 2018-12-14 12:35 - SLindoMansilla

- Related to action #40337: [functional][u] test failing to add systemd test repo - missing QA repo for Leap 15.1 added

#8 - 2018-12-19 09:24 - mgriessmeier

- Blocks coordination #23798: [qe-core][sles][functional][epic] Add systemd test suite execution to openQA added

#9 - 2018-12-19 10:06 - SLindoMansilla

- Related to deleted (action #40337: [functional][u] test failing to add systemd test repo - missing QA repo for Leap 15.1)

#10 - 2018-12-19 10:07 - SLindoMansilla

- Blocks action #40337: [functional][u] test failing to add systemd test repo - missing QA repo for Leap 15.1 added

#11 - 2018-12-19 10:07 - SLindoMansilla

- Related to deleted (action #36754: [qe-core][functional][systemd][medium] test fails in systemd_testsuite - needs further investigation)

#12 - 2018-12-19 10:07 - SLindoMansilla

- Blocks action #36754: [qe-core][functional][systemd][medium] test fails in systemd_testsuite - needs further investigation added

#13 - 2018-12-19 10:08 - SLindoMansilla

- Related to deleted (coordination #34996: [qe-core][functional][opensuse][epic] test fails in systemd_testsuite - TEST-16-EXTEND-TIMEOUT works only when executed against systemd built in the same specfile)

#14 - 2018-12-19 10:08 - SLindoMansilla

- Blocks coordination #34996: [qe-core][functional][opensuse][epic] test fails in systemd_testsuite - TEST-16-EXTEND-TIMEOUT works only when executed against systemd built in the same specfile added

#15 - 2019-01-17 15:18 - SLindoMansilla

New test suite added to O3: systemd-testsuite-01-basic

Test suite schedule in Tumbleweed Development job group: https://openqa.opensuse.org/group_overview/38

PR to have a template that tsaup can use to start the migration: <https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/6578>

#16 - 2019-01-18 10:28 - SLindoMansilla

- Follows action #46349: [s390x] Add qemu backend support added

#17 - 2019-01-21 10:33 - SLindoMansilla

- Assignee set to tsaupe

PR for migration: <https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/6593>

#18 - 2019-03-05 10:49 - okurz

- Subject changed from [functional][u] Implement systemd testsuite as openQA perl module to [systemd] Implement systemd testsuite as openQA perl module

#19 - 2019-04-30 13:59 - SLindoMansilla

- Blocks deleted (action #36754: [qe-core][functional][systemd][medium] test fails in systemd_testsuite - needs further investigation)

#20 - 2019-04-30 14:00 - SLindoMansilla

- Related to action #36754: [qe-core][functional][systemd][medium] test fails in systemd_testsuite - needs further investigation added

#21 - 2019-05-03 12:24 - SLindoMansilla

- Status changed from New to In Progress

PR merged: <https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/7247>

Test suite setting updated in:

- **OSD**https://openqa.suse.de/admin/test_suites (suse_patches-systemd_testsuite)
 - Scheduled in [Test Development: SLE 15](#)
- **O3**https://openqa.opensuse.org/admin/test_suites (suse_patches-systemd_testsuite)
 - Scheduled in [Development Tumbleweed](#)
 - Scheduled in [Development Leap](#)

Waiting for verification on OSD and O3

#22 - 2019-05-06 15:41 - SLindoMansilla

- Has duplicate action #51170: test fails in binary_tests added

#23 - 2019-05-06 15:55 - SLindoMansilla

Not working

Missing setting **REPO_SLE_MODULE_DEVELOPMENT_TOOLS** on:

- Tumbleweed: https://openqa.opensuse.org/tests/925606#step/binary_tests/10
- Leap: https://openqa.opensuse.org/tests/925161/modules/binary_tests/steps/9

#24 - 2019-05-08 13:34 - tsaupe

SLindoMansilla wrote:

Not working

Missing setting **REPO_SLE_MODULE_DEVELOPMENT_TOOLS** on:

- Tumbleweed: https://openqa.opensuse.org/tests/925606#step/binary_tests/10
- Leap: https://openqa.opensuse.org/tests/925161/modules/binary_tests/steps/9

I've updated my patch, to address that, please see:

<https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/7402>

#25 - 2019-05-13 17:15 - SLindoMansilla

Feedback given in PR: <https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/7402#pullrequestreview-235071972>

#26 - 2019-06-14 10:39 - SLindoMansilla

Preparing fix for the repository: <https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/7688>

#27 - 2019-06-14 11:24 - tsaupe

SLindoMansilla wrote:

Preparing fix for the repository: <https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/7688>

Please hold it, I've found that vm snapshots are not supported on s390x, so our rollback approach after each test doesn't work, at least on s390. I need to check the other architectures and will update my patch ASAP.

#28 - 2019-06-17 13:39 - SLindoMansilla

tsaupe wrote:

Please hold it, I've found that vm snapshots are not supported on s390x, so our rollback approach after each test doesn't work, at least on s390. I need to check the other architectures and will update my patch ASAP.

This was known. This was the reason of my crusade:

- [#46349](#)
- [#48434](#)
- [#49820](#)

At the moment we a broken test for systemd, so enabling it for aarch64, ppc64le and x86_64 is at least something. We can take care of enabling it for s390x later.

The test suite is enabled only in test development job groups, so it is not critical if we push changes.

#29 - 2019-06-17 14:41 - tsaupe

ok, meanwhile I've corrected most of the s390x tests, see: <http://emerson.suse.de/tests/1276>
Do you want me to push my latest changes before you run the test or should I wait until you've tested with the current patches?

#30 - 2019-06-17 15:20 - SLindoMansilla

tsaupe wrote:

ok, meanwhile I've corrected most of the s390x tests, see: <http://emerson.suse.de/tests/1276>

awesome!

Do you want me to push my latest changes before you run the test or should I wait until you've tested with the current patches?

Your changes can be pushed. :)

#31 - 2019-07-11 09:55 - SLindoMansilla

New improvements: <https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/7863>

#32 - 2019-07-11 11:02 - SLindoMansilla

More improvements: <https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/7864>

#33 - 2020-01-13 13:33 - mgriessmeier

- Blocks deleted (action #40337: [functional][u] test failing to add systemd test repo - missing QA repo for Leap 15.1)

#34 - 2020-02-25 09:43 - mgriessmeier

- Blocks deleted (coordination #34996: [qe-core][functional][opensuse][epic] test fails in systemd_testsuite - TEST-16-EXTEND-TIMEOUT works only when executed against systemd built in the same specfile)

#35 - 2021-03-12 12:33 - SLindoMansilla

- Blocks deleted (coordination #23798: [qe-core][sles][functional][epic] Add systemd test suite execution to openQA)

#36 - 2021-03-12 12:33 - SLindoMansilla

- Related to coordination #23798: [qe-core][sles][functional][epic] Add systemd test suite execution to openQA added

#37 - 2021-09-01 13:55 - okurz

- Priority changed from Normal to Low

This ticket was set to "Normal" priority but was not updated within 730 days which is 2 times the period of the SLO for "Normal" tickets (365 days) as described on <https://progress.opensuse.org/projects/opengatests/wiki/Wiki#SLOs-service-level-objectives> . The ticket will be set to the next lower priority of "Low".

#38 - 2021-09-08 07:49 - tsaupe

The systemd testsuite has been removed from the official openqa tests.
We will run it on a team internal openQA machine instead.

Hence, I guess you can close this ticket.