

## openQA Tests - action #28893

coordination # 25380 (Resolved): [sle][functional][epic] test fails in install - tries to install SLE12 packages -> update test for sle15

### [sle][functional][story][hard] Adapt test suite toolchain\_zypper to boot from a hdd with an already installed system

2017-12-05 15:10 - SLindoMansilla

<b>Status:</b>	Resolved	<b>Start date:</b>	2017-12-05
<b>Priority:</b>	Urgent	<b>Due date:</b>	2017-12-19
<b>Assignee:</b>	SLindoMansilla	<b>% Done:</b>	0%
<b>Category:</b>	Enhancement to existing tests	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	Milestone 13		
<b>Difficulty:</b>			

#### Description

#### Story

As an openQA test developer, I want to adapt the test suite **toolchain\_zypper** to boot from a hdd with an already installed system, so I maintain retro compatibility between SLE 12-SP3, 12-SP4 and 15 with the same test suite.

#### Acceptance criteria

- **AC1:** The test suite `create_hdd_textmode` works for SLE 12-SP3, 12-SP4 and 15 on *aarch64*, *ppc64le* and *x86\_64*
- **AC2:** The test suite **toolchain\_zypper** boots from an existing installation for SLE 12-SP3, 12-SP4 and 15.

#### Tasks

1. Clone the job for **create\_hdd\_textmode** from **SLE 12-SP3**, which was only done for *x86\_64*, for *aarch64* and *ppc64le*.
2. Make adaptations needed to **create\_hdd\_textmode** from **SLE 12-SP3** to work on *aarch64*, *ppc64le* and *x86\_64* for SLE 12-SP3, 12-SP4 and 15.
3. Make adaptations needed to **toolchain\_zypper** from **SLE 12-SP3** to work on *aarch64*, *ppc64le* and *x86\_64* for SLE 12-SP3, 12-SP4 and 15.

#### Further information

##### Settings already on OSD for test suite toolchain\_zypper

```
BOOT_HDD_IMAGE=1
DESKTOP=textmode
HDDSIZEGB=20
HDD_1=sle-%VERSION%-%ARCH%-%BUILD%-textmode@%MACHINE%.qcow2
INSTALLONLY=1
MAX_JOB_TIME=14400
QEMUCPU=4
QEMURAM=4096
START_AFTER_TEST=create_hdd_textmode
TCM=1
```

##### Command to trigger the test suite

```
# aarch64
script/client jobs post ARCH=aarch64 BACKEND=qemu BIOS=qemu-uefi-aarch64.bin BOOT_HDD_IMAGE=1 BUILD=0473 BUILD_HA=0214 BUILD_HA_GEO=0163 BUILD_SDK=0263 BUILD_SLE=0473 BUILD_WE=0168 DESKTOP=textmode DISTRI=sle FLAVOR=Server-DVD HDDMODEL=virtio-blk-device HDDSIZEGB=20 HDD_1=sle-12-SP3-aarch64-0473-textmode@aarch64.qcow2 INSTALLONLY=1 ISO=SLE-12-SP3-Server-DVD-aarch64-Build0473-Media1.iso ISO_MAXSIZE=4700372992 MACHINE=aarch64 MAX_JOB_TIME=14400 NAME=01058303-sle-12-SP3-Server-DVD-aarch64-Build0473-toolchain_zypper@aarch64 QA_HEAD_REPO=http://dist.nue.suse.com/ibs/QA:/Head/SLE-12-SP3 QA_WEB_REPO=http://dist.suse.de/install/SLP/SLE-12-Module-Web-Scripting-LATEST/aarch64/CD1/ QEMUCPU=aarch64 QEMUCPU=host QEMUCPUS=4 QEMUMACHINE=virt,usb=off,gic-version=host QEMURAM=4096 REPO_0=SLE-12-SP3-Server-DVD-aarch64-Build0473-Media1 SCC_REGCODE=XXX SCC_URL=http://Server-0473.proxy.scc.suse.de SERIALDEV=ttYAMA0 SHUTDOWN_NEEDS_AUTH=1 SLENKINS_TESTSUITES_REPO=http://download.suse.de/i
```

```
bs/Devel:/SLEnkens:/testsuites/SLE_12_SP3/ START_AFTER_TEST=create_hdd_textmode TCM=1 TEST=sergio_toolchain_zypper UEFI=1 VERSION=12-SP3 VGA=std VNC_TYPING_LIMIT=10 WORKER_CLASS=qemu_aarch64
```

```
# ppc64le
```

```
script/client jobs post ARCH=ppc64le BACKEND=qemu BOOT_HDD_IMAGE=1 BUILD=0473 BUILD_HA=0214 BUILD_HA_GEO=0163 BUILD_SDK=0263 BUILD_SLE=0473 BUILD_WE=0168 DESKTOP=textmode DISTRI=sle FLAVOR=Server-DVD HDDSIZEGB=20 HDD_1=sle-12-SP3-ppc64le-0473-textmode@ppc64le.qcow2 INSTALLONLY=1 ISO=SLE-12-SP3-Server-DVD-ppc64le-Build0473-Media1.iso ISO_MAXSIZE=4700372992 MACHINE=ppc64le MAX_JOB_TIME=14400 NAME=01058303-sle-12-SP3-Server-DVD-ppc64le-Build0473-toolchain_zypper@ppc64le QA_HEAD_REPO=http://dist.nue.suse.com/ibs/QA:/Head/SLE-12-SP3 QA_WEB_REPO=http://dist.suse.de/install/SLP/SLE-12-Module-Web-Scripting-LATEST/ppc64le/CD1/ QEMUCPU=qemu64 QEMUCPUS=4 QEMURAM=4096 REPO_0=SLE-12-SP3-Server-DVD-ppc64le-Build0473-Media1 SCC_REGCODE=XXX SCC_URL=http://Server-0473.proxy.scc.suse.de SHUTDOWN_NEEDS_AUTH=1 SLENKINS_TESTSUITES_REPO=http://download.suse.de/ibs/Devel:/SLEnkens:/testsuites/SLE_12_SP3/ START_AFTER_TEST=create_hdd_textmode TCM=1 TEST=sergio_toolchain_zypper VERSION=12-SP3 WORKER_CLASS=remote-worker_ppc64
```

```
# s390x
```

```
script/client jobs post ARCH=s390x BACKEND=qemu BOOT_HDD_IMAGE=1 BUILD=0473 BUILD_HA=0214 BUILD_HA_GEO=0163 BUILD_SDK=0263 BUILD_SLE=0473 BUILD_WE=0168 DESKTOP=textmode DISTRI=sle FLAVOR=Server-DVD HDDSIZEGB=20 HDD_1=sle-12-SP3-s390x-0473-textmode@zsvm.qcow2 INSTALLONLY=1 ISO=SLE-12-SP3-Server-DVD-s390x-Build0473-Media1.iso ISO_MAXSIZE=4700372992 MACHINE=zsvm MAX_JOB_TIME=14400 NAME=01058303-sle-12-SP3-Server-DVD-s390x-Build0473-toolchain_zypper@zsvm QA_HEAD_REPO=http://dist.nue.suse.com/ibs/QA:/Head/SLE-12-SP3 QA_WEB_REPO=http://dist.suse.de/install/SLP/SLE-12-Module-Web-Scripting-LATEST/s390x/CD1/ QEMUCPU=qemu64 QEMUCPUS=4 QEMURAM=4096 REPO_0=SLE-12-SP3-Server-DVD-s390x-Build0473-Media1 SCC_REGCODE=XXX SCC_URL=http://Server-0473.proxy.scc.suse.de SHUTDOWN_NEEDS_AUTH=1 SLENKINS_TESTSUITES_REPO=http://download.suse.de/ibs/Devel:/SLEnkens:/testsuites/SLE_12_SP3/ START_AFTER_TEST=create_hdd_textmode TCM=1 TEST=sergio_toolchain_zypper VERSION=12-SP3 WORKER_CLASS=svirt
```

```
# x86_64
```

```
script/client jobs post ARCH=x86_64 BACKEND=qemu BOOT_HDD_IMAGE=1 BUILD=0473 BUILD_HA=0214 BUILD_HA_GEO=0163 BUILD_SDK=0263 BUILD_SLE=0473 BUILD_WE=0168 DESKTOP=textmode DISTRI=sle FLAVOR=Server-DVD HDDSIZEGB=20 HDD_1=sle-12-SP3-x86_64-0473-textmode@64bit.qcow2 INSTALLONLY=1 ISO=SLE-12-SP3-Server-DVD-x86_64-Build0473-Media1.iso ISO_MAXSIZE=4700372992 MACHINE=64bit-smp MAX_JOB_TIME=14400 NAME=01058303-sle-12-SP3-Server-DVD-x86_64-Build0473-toolchain_zypper@64bit-smp QA_HEAD_REPO=http://dist.nue.suse.com/ibs/QA:/Head/SLE-12-SP3 QA_WEB_REPO=http://dist.suse.de/install/SLP/SLE-12-Module-Web-Scripting-LATEST/x86_64/CD1/ QEMUCPU=qemu64 QEMUCPUS=4 QEMURAM=4096 REPO_0=SLE-12-SP3-Server-DVD-x86_64-Build0473-Media1 SCC_REGCODE=XXX SCC_URL=http://Server-0473.proxy.scc.suse.de SHUTDOWN_NEEDS_AUTH=1 SLENKINS_TESTSUITES_REPO=http://download.suse.de/ibs/Devel:/SLEnkens:/testsuites/SLE_12_SP3/ START_AFTER_TEST=create_hdd_textmode TCM=1 TEST=sergio_toolchain_zypper VERSION=12-SP3 WORKER_CLASS=remote_worker-x86_64
```

#### Related issues:

Blocked by openQA Tests - action #29405: [sle][functional] test fails in part...

Resolved

2017-12-14

#### History

**#1 - 2017-12-05 15:21 - okurz**

- Due date set to 2017-12-19

**#2 - 2017-12-05 15:22 - SLindoMansilla**

- Subject changed from [sle][functional][hard][story] Adapt test suite toolchain\_zypper to boot from a hdd with an already installed system to [sle][functional][story][hard] Adapt test suite toolchain\_zypper to boot from a hdd with an already installed system

- Description updated

**#3 - 2017-12-05 15:33 - SLindoMansilla**

- Description updated

**#4 - 2017-12-06 12:48 - SLindoMansilla**

Fixed the settings HDD\_1 for toolchain\_zypper to match both SLE 12-SP3 and SLE 15:

```
HDD_1=%DISTRI%- %VERSION%- %ARCH%- %BUILD%- %DESKTOP% @ %MACHINE%.qcow2
```

**#5 - 2017-12-06 13:46 - SLindoMansilla**

- Description updated

#### #6 - 2017-12-06 14:01 - SLindoMansilla

- Description updated

#### #7 - 2017-12-06 15:14 - SLindoMansilla

- Description updated

#### SLE 12-SP3

- aarch64 - <http://copland.arch.suse.de/tests/1720> (not yet)
- ppc64le *shared worker currently broken, not possible to provide a local verification run*
- s390x *I will ask Matthias if it is possible to have a verification run for s390x*
- x86\_64 <http://copland.arch.suse.de/tests/1714>

#### #8 - 2017-12-07 06:45 - JERiveraMoya

#### SLE 12-SP4

- aarch64: <http://dhcp227/tests/653>

#### SLE 15

- x86\_64: <http://dhcp227/tests/650#step/install/8> (failing) @Sergio we can use Development Tools Module 15 to avoid not finding devel\_basis pattern. Initially I was using sdk as image to boot (START\_AFTER\_TEST=create\_hdd\_minimal\_base+sdk) containing tools for development.

#### #9 - 2017-12-07 14:53 - JERiveraMoya

Verification run for SLE15 aarch64 with the same error now fixed than the one for x86\_64 below: <http://dhcp227/tests/665>

#### #10 - 2017-12-08 10:23 - okurz

- Priority changed from High to Urgent

I am pretty sure one of you added "toolchain\_zypper@zkvm" which now incompletes within the functional job group. It does not look like you tested that in before: <https://openqa.suse.de/tests/1305366> Please use the development group for that when not trying to trigger it once manually . Please get rid of that incomplete urgently!

#### #11 - 2017-12-08 12:05 - SLindoMansilla

Machine zkvm removed from job groups for SLE 12-SP3, 12-SP4 and 15.  
So there will be no more incompletes there.

#### #12 - 2017-12-08 15:55 - SLindoMansilla

#### Verification on OSD

- [sle-12-SP4-Server-DVD-aarch64-Build0075-create\\_hdd\\_textmode@aarch64](#)
  - [sle-12-SP4-Server-DVD-aarch64-Build0075-toolchain\\_zypper@aarch64](#)
- [sle-12-SP4-Server-DVD-ppc64le-Build0079-create\\_hdd\\_textmode@ppc64le](#)
  - [sle-12-SP4-Server-DVD-ppc64le-Build0079-toolchain\\_zypper@ppc64le](#) (expected fail, see [poo#28854](#))
- [sle-12-SP4-Server-DVD-x86\\_64-Build0079-create\\_hdd\\_textmode@64bit-smp](#)
  - [sle-12-SP4-Server-DVD-x86\\_64-Build0075-toolchain\\_zypper@64bit-smp](#) (expected fail, see [poo#28854](#))
- [sle-15-Installer-DVD-aarch64-Build381.1-create\\_hdd\\_textmode@aarch64](#)
  - [sle-15-Installer-DVD-aarch64-Build381.1-toolchain\\_zypper@aarch64](#) (expected fail, see [poo#28896](#))
- [sle-15-Installer-DVD-ppc64le-Build381.1-create\\_hdd\\_textmode@ppc64le](#)
  - [sle-15-Installer-DVD-ppc64le-Build381.1-toolchain\\_zypper@ppc64le](#) (expected fail, see [poo#28896](#))
- [sle-15-Installer-DVD-x86\\_64-Build381.1-create\\_hdd\\_textmode@64bit-smp](#)
  - [sle-15-Installer-DVD-x86\\_64-Build381.1-toolchain\\_zypper@64bit-smp](#) (expected fail, see [poo#28896](#))

#### #13 - 2017-12-08 18:16 - SLindoMansilla

- Status changed from In Progress to Resolved

#### #14 - 2017-12-11 09:00 - SLindoMansilla

- Status changed from Resolved to In Progress

Waiting for verification on s390x

#### #15 - 2017-12-12 10:54 - SLindoMansilla

- Status changed from In Progress to Resolved

s390x also verified on OSD: <https://openqa.suse.de/tests/1311359>

#### #16 - 2017-12-12 23:20 - okurz

- Status changed from Resolved to In Progress

the job you referenced is a hdd creation job, not the toolchain job booting the harddisk image itself. <https://openqa.suse.de/tests/1317143> is the most recent example of s390x failing as incomplete. Please compare the test schedule for that scenario with another one on zkvm booting a HDD image, e.g. see <https://openqa.suse.de/tests/1317091> scheduling additionally the modules "bootloader\_zkvm" and "boot\_to\_desktop". They should be needed. Probably needs an update to main.pm. I suggest to test locally with just isotovideo, simulate s390x by downloading the vars.json file and set the additional parameter `_EXIT_AFTER_SCHEDULE` to only evaluate the schedule.

#### #17 - 2017-12-14 13:03 - SLindoMansilla

- Blocked by action #29405: [sle][functional] test fails in partitioning\_togglehome - No proposal for separated home partition on s390x added

#### #18 - 2017-12-15 22:55 - okurz

- Target version set to Milestone 13

#### #19 - 2017-12-18 14:54 - SLindoMansilla

- Status changed from In Progress to Feedback

Blocked by <https://progress.opensuse.org/issues/29405> and by missing assets in OSD, what doesn't allow verification runs.

#### #20 - 2017-12-19 10:19 - SLindoMansilla

Related PR: <https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/4096>

#### #21 - 2017-12-20 09:14 - SLindoMansilla

- Status changed from Feedback to In Progress

#### #22 - 2017-12-20 09:36 - SLindoMansilla

- Status changed from In Progress to Resolved

## Verified on OSD:

### SLE 12-SP4

- aarch64 <https://openqa.suse.de/tests/1297673>
- ppc64le <https://openqa.suse.de/tests/1335621>
- s390x <https://openqa.suse.de/tests/1335660> (so, moving the test suite from **Test development: SLE 12 SP4** to **SLE 12 SP4: Functional server**)
- x86\_64 <https://openqa.suse.de/tests/1335765>

### SLE 15

- aarch64 <https://openqa.suse.de/tests/1334839>
- ppc64le <https://openqa.suse.de/tests/1334940> (fail on proper bug: [https://bugzilla.suse.com/show\\_bug.cgi?id=1073621](https://bugzilla.suse.com/show_bug.cgi?id=1073621))
- s390x <https://openqa.suse.de/tests/1335105> (fail on proper bug: [https://bugzilla.suse.com/show\\_bug.cgi?id=1073621](https://bugzilla.suse.com/show_bug.cgi?id=1073621)) (so, moving the test suite from **Test development: SLE 12 SP4** to **SLE 12 SP4: Functional server**)
- x86\_64 <https://openqa.suse.de/tests/1335379> (fail on proper bug: [https://bugzilla.suse.com/show\\_bug.cgi?id=1073621](https://bugzilla.suse.com/show_bug.cgi?id=1073621))