

## qe-yast - coordination #51665

### [functional][y][s390][epic] Create new test suite for s390 specific yast modules

2019-05-20 12:33 - JRivrain

<b>Status:</b> New	<b>Start date:</b> 2019-05-29
<b>Priority:</b> Normal	<b>Due date:</b>
<b>Assignee:</b> oorlov	<b>% Done:</b> 0%
<b>Category:</b>	<b>Estimated time:</b> 0.00 hour
<b>Target version:</b> future	

**Description**

### Motivation

There are several Yast modules that are specific to s390, not tested in Openqa, and barely tested in general. Those modules are part of the yast2-s390 package:

- dasd
- zfcg
- dump
- iucvterminal
- iucvterminal-server
- onpanic
- xpram

### Acceptance criteria

1. A new test suite is created for yast2-s390 modules
2. At least a smoke test for each of those modules exists

### Suggestions

For each module:

1. Learn what module is for.
2. Understand what the underlying command-line tools are doing. Those are very specific, and may require some study.
3. Test manually on zVM and zKVM.
4. Develop automated test scenario to verify functionality of the YaST module.

Note: some manual testing was already done for the dump module, see related ticket.

**Subtasks:**

action # 52286: [functional][y] automate scenario for yast2 dump YaST module on s390x **Blocked**

### History

#### #1 - 2019-05-20 12:33 - JRivrain

- Copied from action #39344: [functional][y][s390] create new test suite for yast dump module added

#### #2 - 2019-05-21 08:37 - JRivrain

- Assignee deleted (JRivrain)

#### #3 - 2019-05-21 14:40 - JRivrain

### Yast2 dump module test proposal:

That module is a front-end for [mkdump](#). It does this:

```
mkdump --list-dasd
mkdump --list-zfcg
mkdump [--force] /dev/[device]
```

The mkdump script automatically lists DASD or ZFCP device that can be used as dump device. Such device should be of ECKD type (mkdump [does](#)

[not work with FBA](#), nor with [multipathed zfc](#) devices, those issues should be subject to some soft failures) it must have exclusive access and have VM's RAM+ 10MB of free space.

The test could be as follows:

#### 1 - Activate some DASD and/or ZFCP device:

This can be done in various ways:

- During [installation](#),
- Later by command line as in [bootloader](#) (command: "dasd\_configure 0.0.200 1". That disk should be free and "dumpable".)
- By putting this test module after the ones for dasd and/or zfc, which also allow to enable disks. See also: the SUT for ZFCP, [s390x-zfc](#).

#### 2 - Start yast2 dump, initialize some disk for dumping.

Don't forget to signal [https://bugzilla.suse.com/show\\_bug.cgi?id=1135241](https://bugzilla.suse.com/show_bug.cgi?id=1135241) as soft-failure if an incompatible disk is shown here, and [https://bugzilla.suse.com/show\\_bug.cgi?id=1136864](https://bugzilla.suse.com/show_bug.cgi?id=1136864) if you cannot use a multipathed zfc device.

#### 3 - check if disk is marked as dump disk, either in the module itself or with mkdump --list-dump

Documentation:

About dump devices : <https://public.dhe.ibm.com/software/dw/linux390/docu/ljs0dt00.pdf>

ZFCP and multipath tutorial (very good):

<https://share.confex.com/share/117/webprogram/Handout/Session9478/SHARE%20Boston%209222%20-%20SCSI.pdf>

#4 - 2019-05-28 13:55 - JRivrain

## Onpanic test proposal

The onpanic module uses [mkdump](#) and [dumpconf](#). It does not work with multipath zfc devices, see this [bug](#).

- Put that module after yast2 dump, so a dump device was already initialized, or do it manually as specified in the IBM [doc](#)
- Disable kdump, otherwise the dump will be done [using kdump instead of dumpconf](#). A reboot is required after disabling kdump...
- In yast module, enable dumpconf, set delay to 1 and action to dump\_reipl.
- Simulate a kernel crash with the following command: "echo c > /proc/sysrq-trigger"
- After reboot, check that the dump worked by typing "zgetdump -i /dev/something" and/or "zgetdump /dev/something > dump.elf"

That one may be tricky, because it requires two reboots to be tested properly, it may add some difficulty since we are on s390.

#5 - 2019-05-29 08:08 - riafarov

- Target version changed from Milestone 25 to Milestone 30+

- Estimated time deleted (8.00 h)

That's quite a big task, so let's approach step by step.

#6 - 2019-06-03 13:58 - riafarov

- Copied from deleted (action #39344: [functional][y][s390] create new test suite for yast dump module)

#7 - 2019-06-03 13:58 - riafarov

- Parent task set to #33862

#8 - 2019-07-10 07:07 - riafarov

- Due date changed from 2019-07-23 to 2019-07-30

due to changes in a related task

#9 - 2019-07-10 09:08 - riafarov

- Due date changed from 2019-07-30 to 2019-05-29

due to changes in a related task

#11 - 2019-08-30 05:12 - riafarov

- Due date set to 2020-02-04

due to changes in a related task

#12 - 2020-01-03 11:02 - mgriessmeier

- Target version changed from Milestone 30+ to Milestone 30

bulk moved to M30 for revisiting

**#13 - 2020-02-03 05:39 - riafarov**

- Due date changed from 2020-02-04 to 2020-04-07

due to changes in a related task

**#14 - 2020-03-25 13:39 - riafarov**

- Due date changed from 2020-04-07 to 2021-01-12

due to changes in a related task

**#15 - 2020-05-04 11:32 - SLindoMansilla**

- Due date changed from 2021-01-12 to 2019-05-29

due to changes in a related task: [#52286](#)

**#16 - 2020-05-04 11:33 - SLindoMansilla**

- Due date set to 2021-01-12

due to changes in a related task: [#52286](#)

**#17 - 2020-05-14 11:10 - riafarov**

- Target version changed from Milestone 30 to future

**#18 - 2020-10-12 13:33 - szarate**

- Tracker changed from action to coordination

**#19 - 2020-10-12 13:44 - szarate**

See for the reason of tracker change: <http://mailman.suse.de/mailman/private/qa-sle/2020-October/002722.html>

**#20 - 2020-10-21 09:24 - riafarov**

- Assignee set to riafarov

- Parent task deleted (#33862)

**#21 - 2020-10-21 09:25 - riafarov**

- Project changed from openQA Tests to qe-yast

- Category deleted (New test)

**#22 - 2021-05-06 10:04 - riafarov**

- Assignee changed from riafarov to oorlov