

SUSE/OpenSUSE Development Report

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Created 22/11/2019 - 7:32pm

Submitted by Roy Schestowitz on Friday 22nd of November 2019 07:32:23 PM Filed under [SUSE](#) [1]

- [openSUSE Tumbleweed ? Review of the week 2019/47](#) [2]

Another week, in which openQA did block some of the snapshots ? and some issues it was unfortunately not able to see. Anyway, during the week 2019/47 we have released three snapshot into the wild (1116, 1118 and 1119), containing those changes:

Mesa 19.2.4: fixes critical rendering issues from earlier Mesa 19.2.3. As this rendering issue did not happen on all graphics adapters, openQA had no chance of spotting it

Linux kernel 5.3.11

KDE Plasma 5.17.3

Subversion 1.13.0

binutils 2.33.1

- [YaST Team: Highlights of YaST Development Sprints 88 and 89](#) [3]

A few weeks ago, we wrote about the new ItemSelector widget that is finding its way into YaST user interfaces. It turned out that just a simple on/off status is not enough in some cases, so we had to extend that concept. For example, software modules may have dependencies, and we want to show the difference between one that was explicitly selected by the user and one that was auto-selected because some other software module requires it.

This kind of shook the foundations of the underlying classes; all of a sudden a bit is no longer just a bit, but it needs to be broken down into even smaller pieces. Well, we cheated; we now use integer values instead. Most of the class hierarchy still only uses 0 and 1, but the new YCustomStatusItemSelector also supports using higher numbers for application-defined purposes.

For each possible status value, the application defines the name of the icon to be displayed (for graphical UIs like the Qt UI), the text equivalent (for text mode / the NCurses UI), and an

optional `nextStatus` which tells the widget what status to cycle to when the user changes the status of an item with a mouse click or with the keyboard. A value of -1 lets the application handle this.

So this is not a one-trick-pony that is useful only for that one use case (the software modules), but a generic tool that might find good uses in other places all over YaST as well.

[SUSE](#)

Source URL: <http://www.tuxmachines.org/node/130824>

Links:

[1] <http://www.tuxmachines.org/taxonomy/term/117>

[2] <http://dominique.leuenberger.net/blog/2019/11/opensuse-tumbleweed-review-of-the-week-2019-47/>

[3] <https://lizards.opensuse.org/2019/11/22/highlights-of-yast-development-sprints-88-and-89/>