

openQA Tests - coordination #16122

[qe-core][functional][epic] Idea: a test / API that verifies that package X does not pull in (direct or indirect) package Y

2017-01-20 08:42 - dimstar

Status:	New	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	100%
Category:	New test	Estimated time:	0.00 hour
Target version:	Milestone 31		
Difficulty:			
Description			
This is mainly interesting for textbased installs / minimal installs, where the installation of X is trying to be avoided..			
We had two examples in the past:			
<ul style="list-style-type: none">• emacs requires libgio which in turn depends on the existence of dbus-launch. dbus-launch was provided only by dbus-1-x11 and required X11 libs. As a result, installing emacs without X-libs was not possible• vim has just been reported to be linked to X-libraries (boo#1021043)			
The idea is to get a framework / API, that can get a package to install and verify that a list of RPMs is not being pulled in by this.			
openQA might be 'too late' - other ideas are welcome			
Subtasks:			
Related issues:			
Related to openQA Tests - coordination #67456: [functional][u][epic] Add pack...		Rejected	2020-06-09

History

#1 - 2017-02-16 14:35 - okurz

- Category set to New test

- Target version set to future

#2 - 2018-02-27 19:33 - okurz

[dimstar](#): How about a OBS based multibuild package test as in https://build.opensuse.org/package/show/home:okurz/python-openqa_review with calls to rpm to check which packages are installed and which not?

#3 - 2018-02-27 20:12 - dimstar

okurz wrote:

[dimstar](#): How about a OBS based multibuild package test as in https://build.opensuse.org/package/show/home:okurz/python-openqa_review with calls to rpm to check which packages are installed and which not?

Might be an option - the main concern of course is if/how anybody will react on the failure and resolve it.

#4 - 2018-05-17 20:51 - okurz

Hm, I think this ticket would belong better in <https://progress.opensuse.org/projects/opensuse-release-process> but then not more people will see it I assume.

#5 - 2018-06-08 09:44 - okurz

- Subject changed from Idea: a test / API that verifies that package X does not pull in (direct or indirect) package Y to [functional][u] Idea: a test / API that verifies that package X does not pull in (direct or indirect) package Y

[dimstar](#) Given the current description I am sorry that QSF will not be able to work on this ticket but we would be happy to try if you help us understand the requirements better. Could you try to specify more specific "acceptance criteria" for the ticket?

#6 - 2018-06-15 19:07 - okurz

- Target version changed from future to future

#7 - 2018-06-27 13:48 - simotek

This would also be really useful for creating SLE-16 when the time comes to ensure that patterns are not pulling in packages they shouldn't the SLE release managers had to spend a lot of time tracking down packages that were being pulled in by patterns when they shouldn't be, adding this api for tumbleweed will ensure we don't have any regressions here. If you look at line 4396 of https://build.opensuse.org/package/view_file/openSUSE:Leap:42.3/patterns-openSUSE/patterns-openSUSE.spec?expand=1 we used to have a minimal_base-conflicts pattern to prevent certain files being installed on a minimal system, this shouldn't be needed as of SLE/Leap 15 but it would be nice to have openQA tests to verify it.

#8 - 2019-03-14 12:25 - okurz

- Priority changed from Normal to Low

let's focus more on improving our current tests and workflows first. Putting to "holding tank" :)

#9 - 2020-03-25 09:37 - szarate

- Priority changed from Low to Normal

- Target version changed from future to Milestone 31

Most likely it could be implemented as a test package in obs? the framework would have to be well thought I guess? maybe with libsolv somewhere? Looking at this for the next milestone

#10 - 2020-07-29 12:59 - SLindoMansilla

- Related to coordination #67456: *[functional][u][epic]* Add package test for scones added

#11 - 2020-08-12 09:43 - SLindoMansilla

- Subject changed from *[functional][u]* Idea: a test / API that verifies that package X does not pull in (direct or indirect) package Y to *[functional][u][epic]* Idea: a test / API that verifies that package X does not pull in (direct or indirect) package Y

- Assignee set to SLindoMansilla

- Sergio will ask Dim* if this is still needed.
- If needed, Sergio will describe the framework on a higher level of such test in OBS at package build and the ticket will be discussed in a grooming meeting.

#12 - 2020-08-12 10:05 - SLindoMansilla

SLindoMansilla wrote:

- Sergio will ask Dim* if this is still needed.

There is still nothing in place for this. It is still needed.

The problem with OBS is that the scheduler building the dependency tree for what goes into the VM is ignoring recommends on purpose, so it is not possible to test a real case scenario of recommended dependencies.

I need to clarify with BS team about this before discarding the idea of using OBS to cover this regression.

#13 - 2020-08-13 06:05 - SLindoMansilla

SLindoMansilla wrote:

The problem with OBS is that the scheduler building the dependency tree for what goes into the VM is ignoring recommends on purpose, so it is not possible to test a real case scenario of recommended dependencies.

I need to clarify with BS team about this before discarding the idea of using OBS to cover this regression.

For kiwi there is an option to include recommended (or even suggested) packages.

#14 - 2020-10-12 13:38 - szarate

- Tracker changed from action to coordination

#15 - 2020-10-12 13:47 - szarate

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

#16 - 2020-11-06 10:32 - tjrinki_suse

- Subject changed from *[functional][u][epic]* Idea: a test / API that verifies that package X does not pull in (direct or indirect) package Y to *[qe-core][functional][epic]* Idea: a test / API that verifies that package X does not pull in (direct or indirect) package Y

#17 - 2021-03-12 12:12 - SLindoMansilla

- Assignee deleted (SLindoMansilla)

No time to work on this :(

#18 - 2022-08-16 14:46 - slo-gin

This ticket was set to **Normal** priority but was not updated [within the SLO period](#). Please consider picking up this ticket or just set the ticket to the next lower priority.

#19 - 2022-11-28 18:32 - dimstar

I think a rather 'simple' solution we could try would be something like:

```
sub ensure_pkg_A_does_not_pull_pkg_B() {
  mkdir /tmp/PKGA_chroot
  zypper -r /tmp/PKGA_chroot ar http://openqa.opensuse.org/~location/of/our/repo
  zypper -r /tmp/PKGA_chroot in PKG_A
  return (zypper -r /tmp/PKGA_chroot info PKGB | grep "Installed:.*No")
}
```