Upstream cross-project testing

Never break your API consumers

Martin Pitt <mpitt@redhat.com>

Traditional feedback cycle

Via release and distro

1. propose upstream change

Traditional feedback cycle

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2. upstream change lands

Traditional feedback cycle

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3. release

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4. distro packaging and publishing

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5. consuming project spots and reports regression

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4. distro packaging and publishing
5. consuming project spots and reports regression
6. bug fix, goto 1

Fallout

https://github.com/cockpit-project/bots/labels/knownissue

| ☐ | Author ▾ | Label ▾ | Projects ▾ | Milestones ▾ | Assignee ▾ | Sort ▾ |

☐ ⊙ **SELinux denial when virtqemu is stopped: avc: denied { search } for comm="rpc-virtproxyd" dev="proc"** `knownissue`   💬 1
#6414 opened 2 days ago by martinpitt

☐ ⊙ **6.8.10-300 kernel regression: general protection fault in nfsd_show when running sosreport with running NFS server** `knownissue`   💬 1
#6411 opened 2 days ago by martinpitt

☐ ⊙ **logind takes a while to update utmp** `knownissue`
#6384 opened last week by jelly

☐ ⊙ **debian-testing: libvirt crashes on startup** `knownissue`   💬 4
#2220 opened on Jul 19, 2021 by KKoukiou

☐ ⊙ **rhel-7-9, centos-7: SELinux: avc: denied { getattr } comm="iscsid"** `knownissue`   ⑊ 5   💬 7
#73 opened on May 24, 2019 by martinpitt

☐ ⊙ **rhel-7-9, Centos-7: SELinux is preventing /usr/lib/systemd/systemd-machined from 'search' accesses** `knownissue`   ⑊ 4   💬 12
#61 opened on Mar 22, 2018 by atiratree

Proposed feedback cycle

Shift left!

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2. consuming project tests run against MR/PR

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3. iterate proposal until green

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4.

Approach


```
consumer packit.yaml:

 - job: copr_build
   trigger: commit
   owner: "@consumer"
   project: "main-builds"
```


✓ 🗄 **testing-farm:fedora-rawhide-x86_64:cockpit** — Tests passed ...   Details

✓ 🗄 **testing-farm:fedora-rawhide-x86_64:local** — Tests passed ...   Details

Experience

- mostly social effort, not technical
- first podman regression #19888
- Cockpit tests run in podman, udisks2, and selinux-policy

packit-as-a-service `bot` commented 2 weeks ago ...

Cockpit tests failed for commit `2006ee1` . **@martinpitt**, **@jelly**, **@mvollmer** please check.

☺

Q & A

Links:

- Blog post with details
- Packit home page

Contact:

- Email: mpitt@redhat.com
- pitti in #cockpit on Fedora Matrix chat