

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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1. propose upstream change
2. upstream change lands

Traditional feedback cycle

Via release and distro

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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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Via release and distro

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3. release
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>

43 Open ✓ 255 Closed

<input type="checkbox"/>	Author ▾	Label ▾	Projects ▾	Milestones ▾	Assignee ▾	Sort ▾
<input type="checkbox"/>	SELinux denial when virtqemu is stopped: avc: denied { search } for comm="rpc-virtproxyd" dev="proc"	knownissue				1
	#6414 opened 2 days ago by martinpitt					
<input type="checkbox"/>	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					
<input type="checkbox"/>	logind takes a while to update utmp	knownissue				
	#6384 opened last week by jelly					
<input type="checkbox"/>	debian-testing: libvirt crashes on startup	knownissue				4
	#2220 opened on Jul 19, 2021 by KKoukiou					
<input type="checkbox"/>	rhel-7-9, centos-7: SELinux: avc: denied { getattr } comm="iscsid"	knownissue			5	7
	#73 opened on May 24, 2019 by martinpitt					
<input type="checkbox"/>	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!

1. propose upstream change

Proposed feedback cycle

Shift left!

1. propose upstream change
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

Contact:

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

<https://cockpit-project.org/blog/tmt-cross-project-testing.html>

