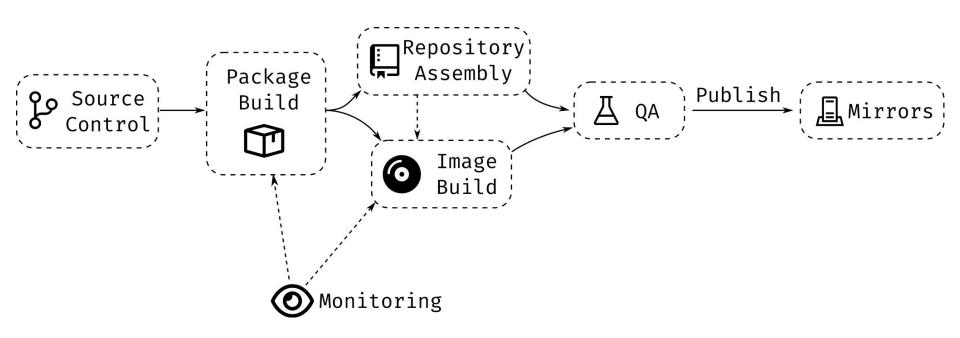
Packit: Bridging the Gap Between Fedora and openSUSE

František Lachman (Red Hat) Dan Čermák (SUSE)

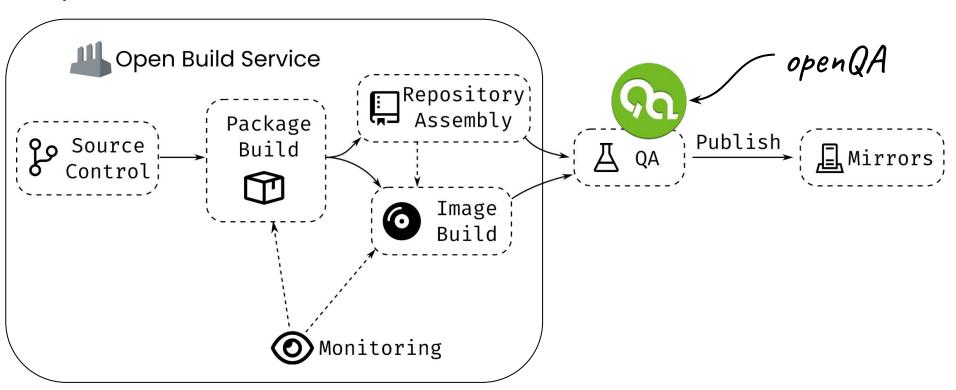
[x] introduction and agenda
[] comparison of services between openSUSE and Fedora
[] introduction into Packit project
[] history lesson
[] the current solution
[] plans and how you can get involved

Distribution structure



Fedora Pungi **F**orgejo openQA Repository Assembly Package ` Publish Source Build A Mirrors QA Control: Image Build fedora copr Monitoring Bodhi Copr build system Koschei

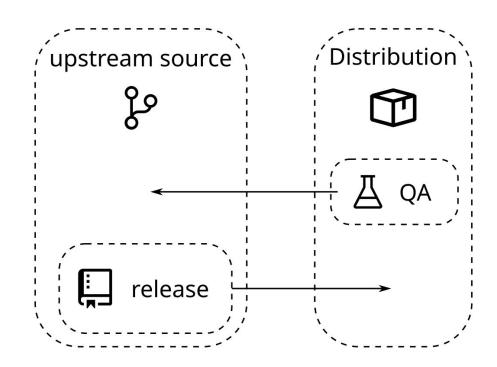
openSUSE



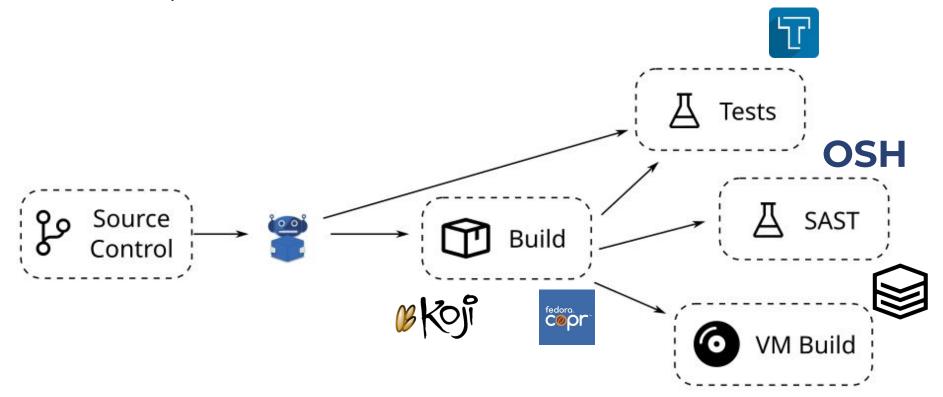
What to do about all this?



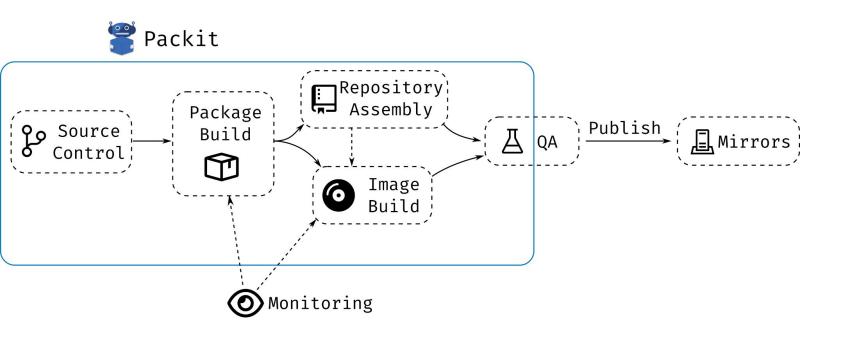
Packit



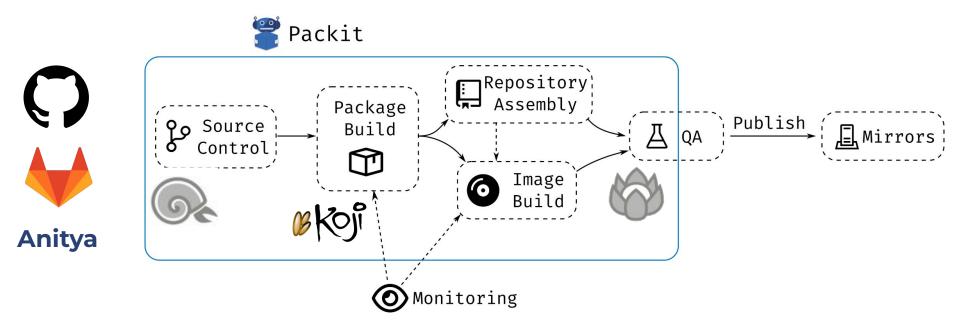
Packit Upstream Workflow



Packit Fedora automation



Packit Fedora automation



But what about openSUSE?

Differing packaging formats

Who says we dont? We use Flatpak

some of the distributions are monopolists and don't want to make it easy! Snap TM

Tarballs FTW

Build a standalone static binary

Just support the Lost popular ones

Use OBS, it supports all the distros







Challenges

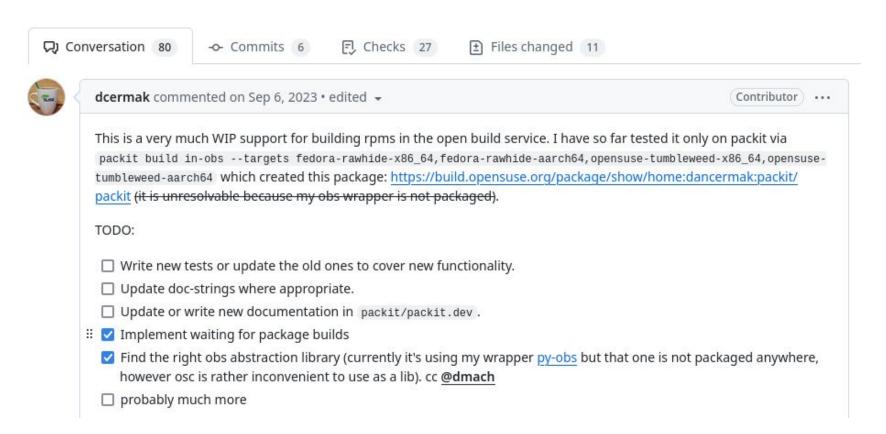
- -> OBS has its own version control
- -> No global buildroot.
- -> Everything is much more configurable & flexible.
- -> XML API

So why bother?

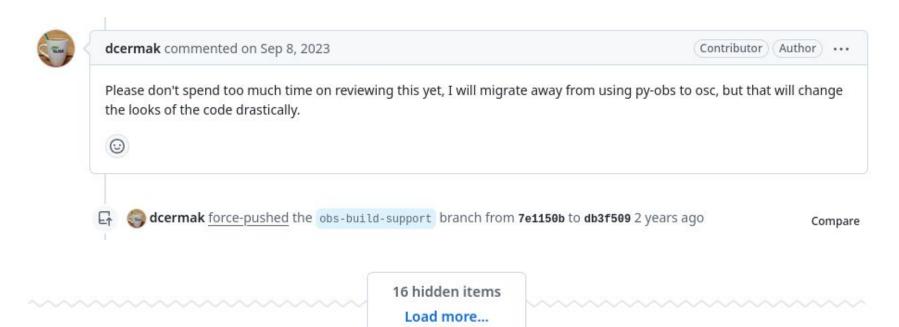
-> OBS supports more distros & package formats.

-> OBS can build VMs & containers.

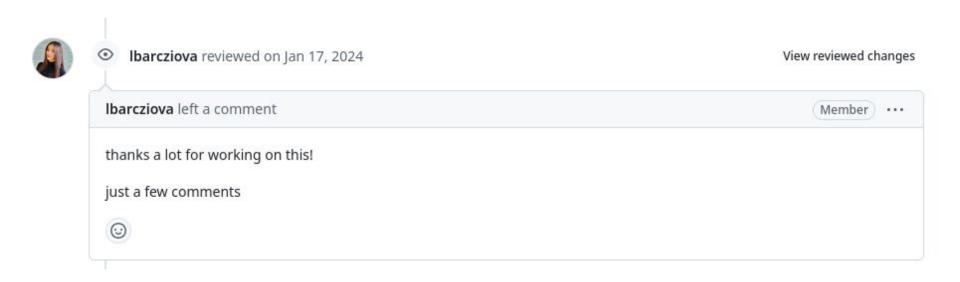
History I



History II



History III



History IV

```
Hi Dan, open SUSE is
Hi Dan, open SUSE is
participating in GSOC
participating in fight?..;
this year, right?..;
```

History V

2024 Program | openSUSE Project

Contributor

rxbryan

Packit support for OBS

Mentors

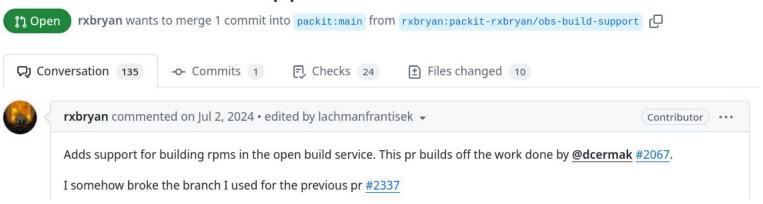
Organization

Dan Čermák

openSUSE Project

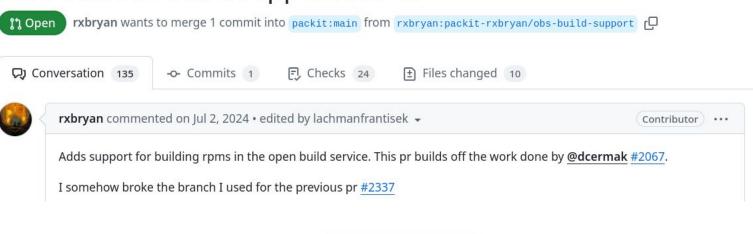
History VI

feat: add obs build support #2343



History VII

feat: add obs build support #2343



12 hidden items

History VIII

```
Hi Dan, there is
FOSDEM CFP open,
right?..;-)
```

History IX



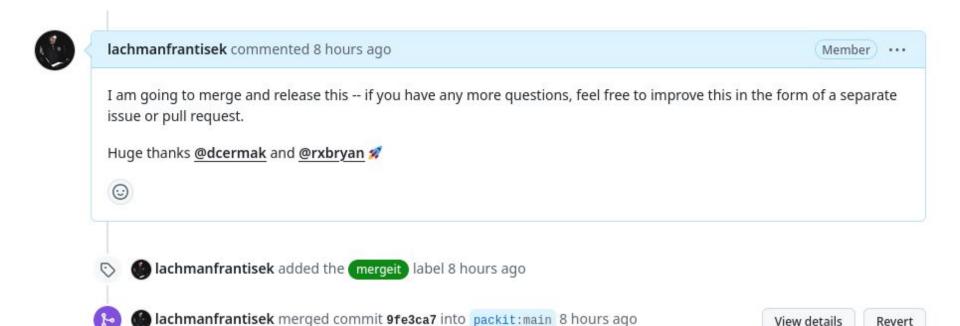
acermak force-pushed the obs-build-support branch 2 times, most recently from 53f3553 to e978085

2 months ago

Compare

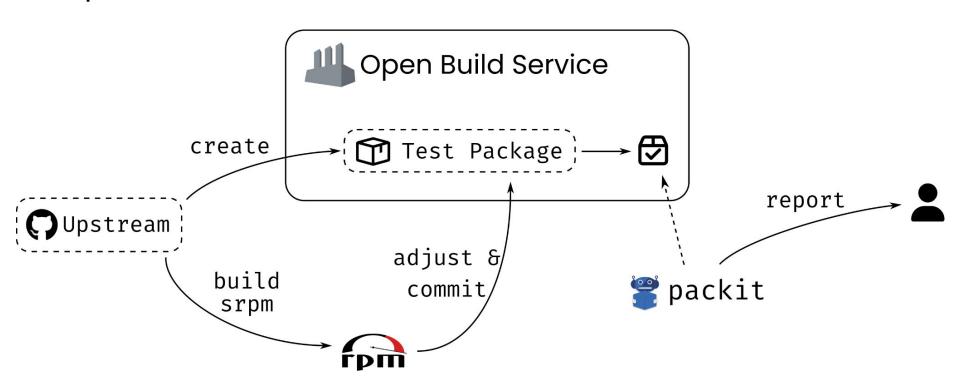
History XI

28 of 29 checks passed

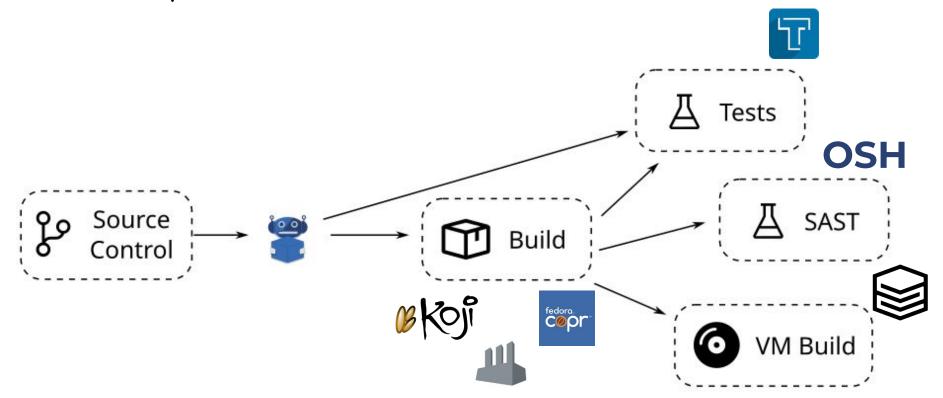


But how it works?

Implementation



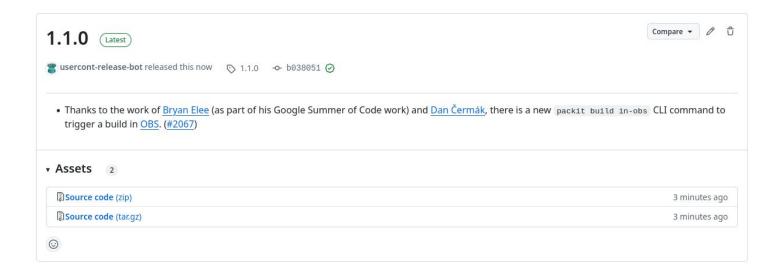
Packit Upstream Workflow



Let's do demo!

Maybe rather not...

[x] Install latest greatest packit from packit/packit-releases Copr repository



(packit.dev/docs/quide)
[x] have OBS account configured in ~/.config/osc/oscrc

[x] have a Packit setup

```
Usage: packit build in-obs [OPTIONS] [PATH_OR_URL]

Build selected project in OBS
```

Before Running this command, your opensuse user account and password needs to be configured in osc configuration file ~/.config/osc/oscrc. This can be done by running `osc`.

Options:

--owner TEXT OBS user, owner of the project. (defaults to the username from the oscrc)
--project TEXT Project name to build in. It will be created if does

not exist. It defaults to home:\$owner:packit:\$pkg

--targets TEXT Comma separated list of chroots to build in. (defaults
to 'fedora-rawhide-x86_64')

--description TEXT Description of the project to build in.
--upstream-ref TEXT Git ref of the last upstream commit in the current branch from which packit should generate patches (this option implies the repository is source-git).

--wait / --no-wait Wait for the build to finish
-p, --package TEXT Package to build, if more than one available, like in a monorepo configuration. Use it multiple times to select multiple packages.Defaults to all the packages listed inside the config.
-h, --help Show this message and exit.

What now?

[] Changelog creation less hacky

[] Implement submit requests

17 Automated builds & submissions from Packit Service

[7] Debian/Arch builds?

What does this me? mean for me?

I am project developer and care about users.
-> Setup Packit CI for you project.

I want to have RPM repositories for my project.

-> Use copr_build for commits/releases. Try OBS locally and let us know.

I am a Fedora maintainer.

-> Setup Packit automation for your Fedora package.

I am an openSUSE maintainer.

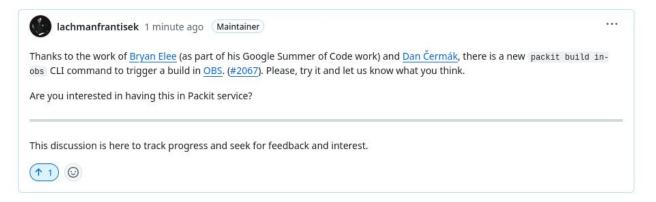
-> Try using Packit OBS funkcionality locally and let us know so we know it makes sense to continue our work.

I am a maintainer of another distribution.

-> Get in touch.

Open Build Service support #2515

lachmanfrantisek started this conversation in General



feedback, +1, ...

github.com/packit/packit/discussions/2515



Huge thanks to Dan Huge thanks this! for finishing

František (achman (Red Hat) @lachmanfrantisek@mastodonczech.cz

Dan Čermák (SUSE) @Defolos@mastodon.social

packit.dev
packit:fedora.im
@packit@fosstodon.org

