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csomh /'tʃomha:/

Using source-git to maintain packages in Fedora

Agenda

about dist-git

the concept of source-git

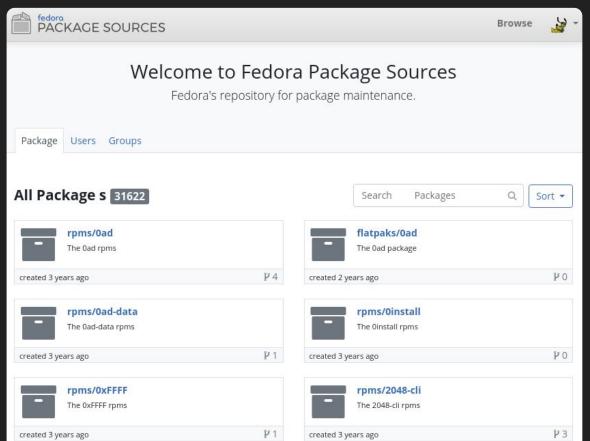
Packit

Dist Git Proposal

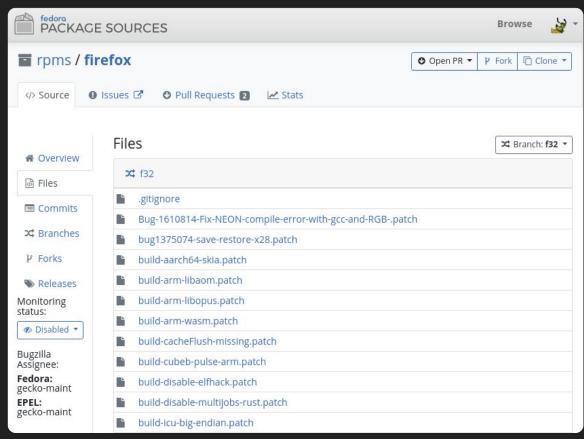


This proposal concerns the desire to replace Fedora's package source control, currently based on CVS, with git, and to improve the developer workflow at the same time.

src.fedoraproject.org



src.fedoraproject.org



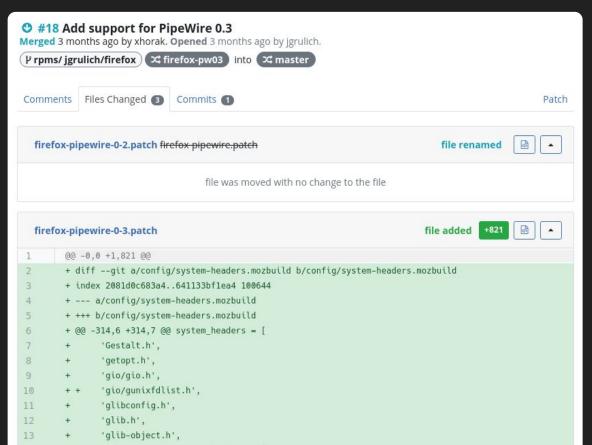
src.fedoraproject.org

	firefox-redhat-default-prefs.js
	firefox-search-provider.ini
II ì	firefox-symbolic.svg
Min	firefox-vaapi-extra-frames.patch
	firefox-wayland.desktop
I	firefox-wayland.sh.in
II ì	firefox-x11.desktop
li ù	firefox-x11.sh.in
	firefox.1
	firefox.appdata.xml.in
II à	firefox.desktop
	firefox.sh.in
	firefox.spec
li .	google-api-key
	google-loc-api-key
I	mozilla-1170092.patch
L	mozilla-1196777.patch
lli .	mozilla-1337988.patch
B à	mozilla-1516081.patch
llà	mozilla-1516803.patch
	mozilla-1580174-webrtc-popup.patch

lookaside cache



collaboration



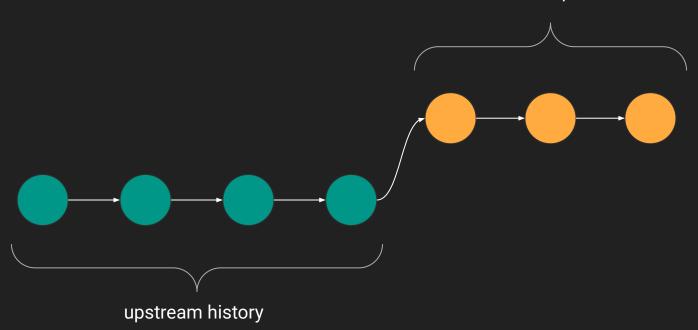
"exploded tree" packages



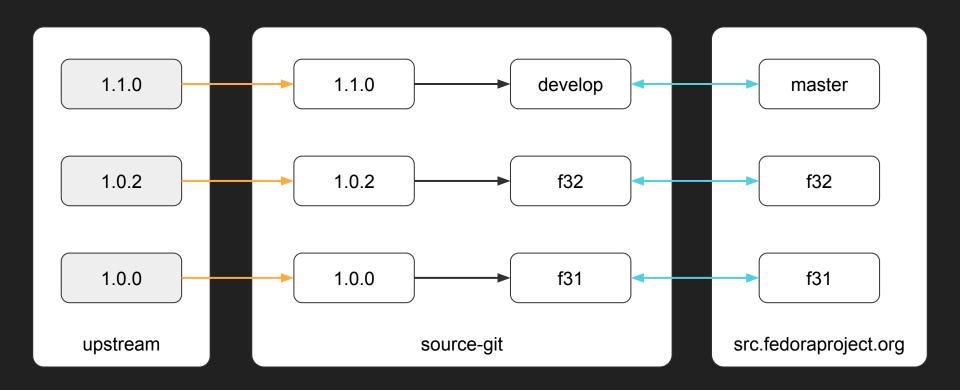
Topic of the day - can we make "exploded tree" packages work?

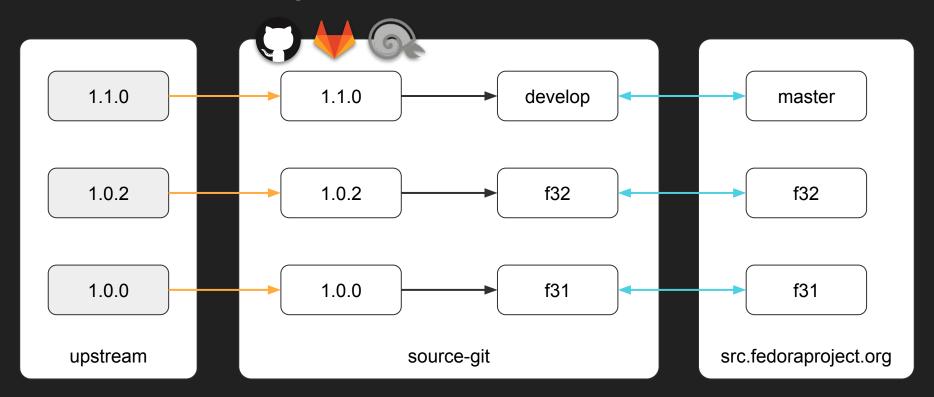
a fork of upstream in which downstream/distribution patches are commits

downstream patches



the place for creative and interesting work





I'm already doing something like this!

Wait...

Tooling

git

```
$ git pull ...
$ git cherry-pick ...
$ git branch ...
$ git rebase ...
```

Packit

```
$ sudo dnf install packit
$ packit --help
Usage: packit [OPTIONS] COMMAND [ARGS]...
  Integrate upstream open source projects into Fedora operating system.
Options:
  -d, --debug Enable debug logs.
  --fas-user TEXT Fedora Account System username.
  -k, --keytab TEXT Path to FAS keytab file.
  --dry-run
                    Do not perform any remote changes (pull requests or
                    comments).
  --version
                    Show the version and exit.
  -h. --help
                    Show this message and exit.
```

Commands:

status

sync-from-downstream

build	Build selected upstream project in Fedora.
copr-build	Build selected upstream project in COPR.
create-update	Create a bodhi update for the selected upstream
init	Generate new packit config.
local-build	Create RPMs using content of the upstream
propose-update	Release current upstream release into Fedora
push-updates	Find all Bodhi updates that have been in testing

srpm Create new SRPM (.src.rpm file) using content of the...

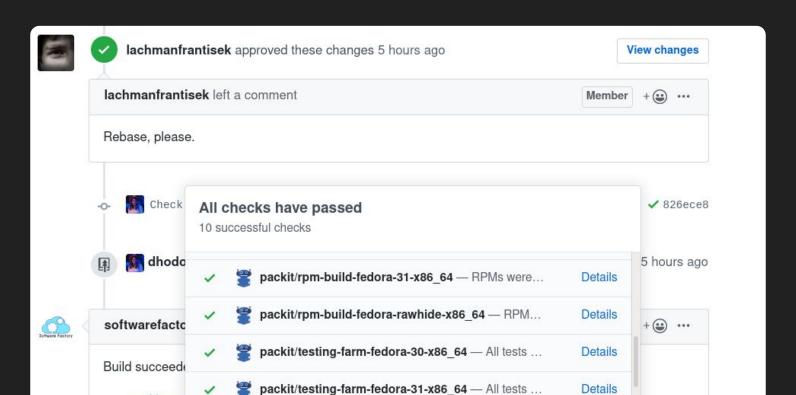
Display status.
Copy synced files from Fedora dist-git into upstream...

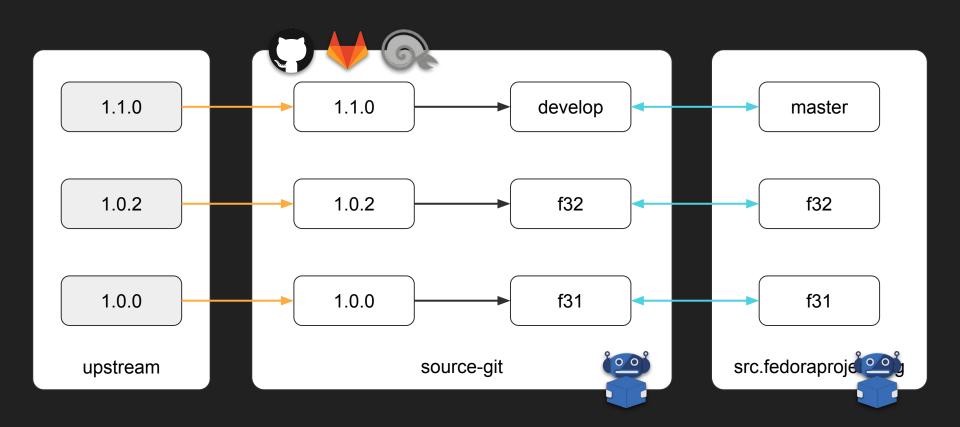
validate-config Validate PackageConfig validation.

for...

Packit-as-a-Service

GitHub Application





Packit-as-a-Service

build PRs/releases/branches in Copr

test builds with **Testing Farm**

propose releases to dist-git



and bull support in progress

Wanna try out?

packit.dev github.com/packit #packit @ freenode

Thank you!



