



Flathub

An App Store and Build Service for Flatpak Applications

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About us

Robert McQueen

- VP of Platform at Endless, previously CTO & Co-Founder at Collabora
- Flathub sysadmin & Flatpak contributor
- Just elected to GNOME Foundation board

About us

Jorge García Oncins

- Software Engineer based in Barcelona (Java, Spring, Angular, ...)
- Longtime Linux user
- Contributing to Flatpak/Flathub for the last 2 years (flathub.org website, documentation, ideas, ...)

About Flathub

MISSION

Provide a central place to get, build and distribute apps that can run safely in a sandboxed environment, on almost any Linux distribution and CPU architecture, utilizing Flatpak technology.

OPPORTUNITIES

Independent app distribution for Linux, providing an app platform where developers can automatically build and publish their apps and users can install them on any distro within minutes.

AREAS OF COLLABORATION

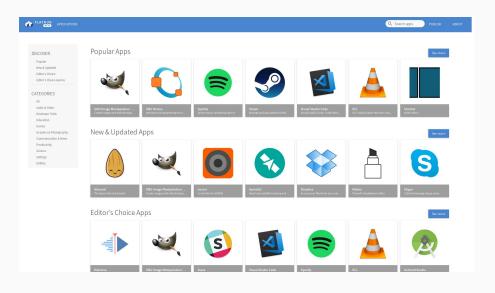
- App packaging and testing
- Web development
- Documentation
- Public relations

SKILLS REQUIRED

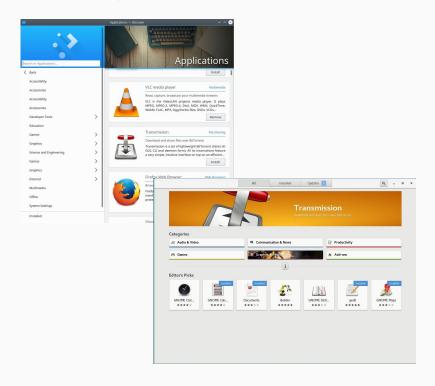
- Upstream app developers!
- Programming (flathub.org website, flatpak, ...)
- Infrastructure/ops
- App packaging
- Web content, bug triage, translations, ...

About Flathub - How does it look?

Flathub website

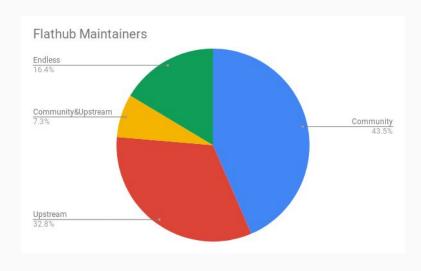


Flathub integrated in app centers



Flathub is a community project

- Driven by a wide range of individuals
- 21 individuals provided some money for infrastructure expenses (June 2017)
- Currently 208 contributors to github.com/flathub/app repos!
- Flathub reviewers team: 5 people
- Flathub website team: 5 people



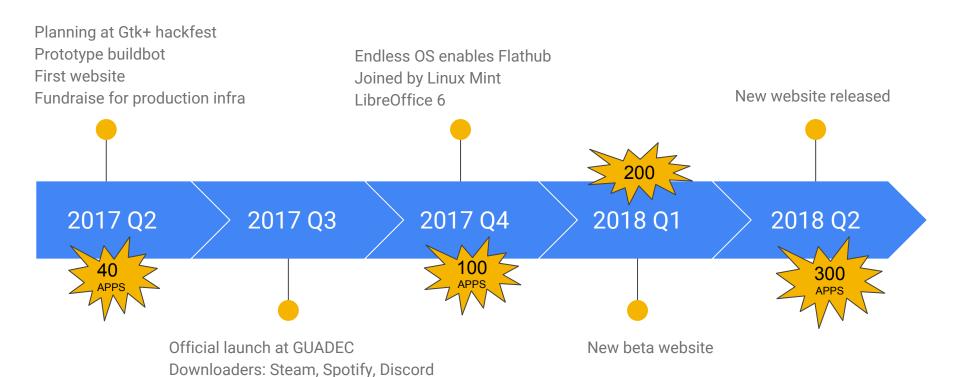
About Flathub - Who is running Flathub?

Companies donating services:

- Codethink
- Fastly
- Mythic Beasts
- Packet
- Prerender.io
- Scaleway

Companies donating time:

- Codethink
- Endless
- RedHat
- ... and many apps!

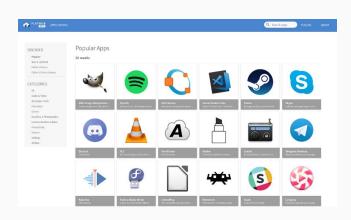


App list on webpage

Flathub for Users & Developers

Flathub for end users

- App store: apps, themes, runtimes
- Browse apps with the website or using Gnome Software/KDE Discover
- Flatpak benefits vs standard distro packages:
 - Get the experience from the app developer
 - Up-to-date versions regardless of distro
 - Easy and efficient updates
 - Sandboxing



Flathub for developers - Features

- Single point of entry for distributing apps on the most popular Linux distributions
- Apps run exactly as you build/configure them
- A growing number of users:
 - some Linux distributions enabling it by default (Endless OS, Linux Mint)
 - simple setup steps for those that don't
- Build service: reproducible builds, multiple archs (x86_64, i386, arm, aarch64)



Publish and update an app in Flathub

- Before publishing
- Publish
- Update

Things to do before publishing a new app in Flathub

Checklist

Check if it's published already or already a work in progress

Flatpak workshop with Alex Larsson Monday 9th am

- Check app requirements (License, Appld, Desktop integration, permission, ...)
- If you are not the app developer contact the author first to ask them to submit it or offer your help
- Write your Flatpak manifest
 - Runtimes: freedesktop.org, GNOME and KDE
 - Shared modules: save time building common dependencies

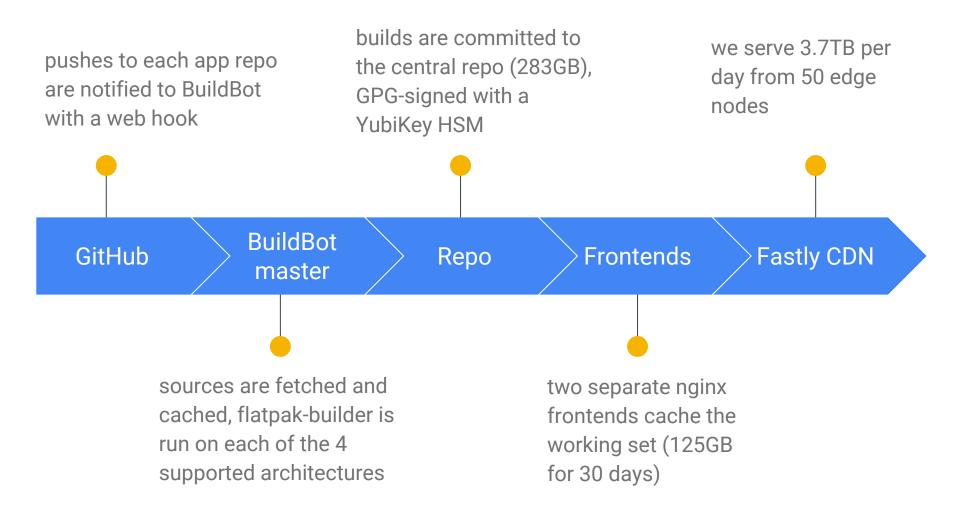
Publishing

- 1) Fork the Flathub repository on GitHub
- 2) Clone the fork: git clone --branch=new-pr git@github.com:your_github_username/flathub.git
- 3) Create a new branch with your app's name: git checkout -b your_app_name
- 4) Add your app's manifest to the branch, commit it and push the commit
- 5) Open a pull request against the new-pr branch on Github
- 6) Your pull request will then be reviewed by the Flathub reviewers

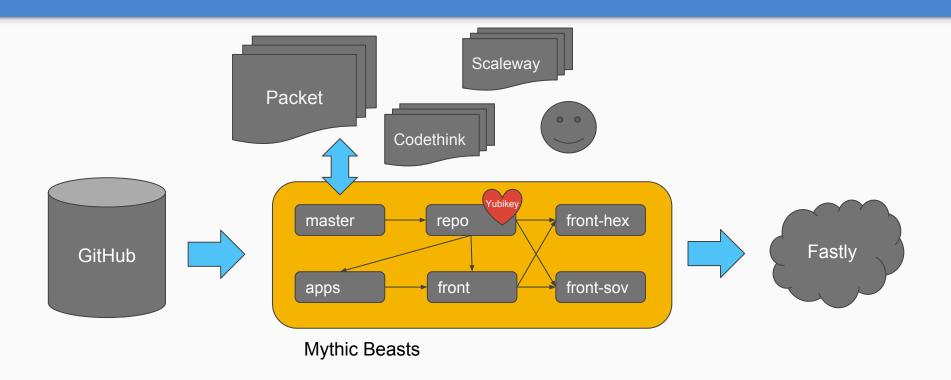
Updating

- Once your pull request has been approved, a new repository will be created for your application, containing your app's flatpak manifest
- You will have write access for the repository
- The Flathub service then uses the manifest from your repository to continuously build and distribute your application on every commit.

How does Flathub work?



Infrastructure



Future developments

What plans are there for future development?

- Closer support from the GNOME Foundation, full-time dev/ops, sharing infrastructure
- flathub.org improvements: i18n, ratings, reviews, stats, search by license/arch/rating, show app extensions, ...
- Support for beta/scratch builds
- Infrastructure improvements: better build system, staging server, scaling!

How can I contribute to Flathub?

Contributing to Flathub

- As a user: use it, enjoy the apps, tell your friends, tweet about it, report issues.
- As a developer: publish (and update) your apps & themes at Flathub
- As a company: become an sponsor





