



Own your infrastructure in the age of GitHub

Presented by

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Fedora infrastructure

Why not?

- For convenience
- For cost
- For social

Why?

- For confidentiality
- For convenience
- For customization
- For principles

Project

- Community project
 - Employees
 - Volunteers
 - Both
- Source-code
- Documentation
- Design

Running a community



- Communication
 - Email
- Sources hosting
 - Sources
 - Ticketing
 - Change proposal
- Account system

Account system

- Local user accounts (to the system)
- FAS ↔ Home-made
- LDAP
- FreeIPA

- Authentication

Ipsilon

- Python-based
- Backend (login modules)
 - Ldap / FreeIPA / ActivateDirectory
 - Kerberos
 - Apache auth
 - Htpasswd
 - PAM
 - Local user (to the system)
 - FAS
 - Custom backend
 - Single function returning a boolean

Ipsilon

- Front-end (providers)
 - OpenID
 - SAML
 - OpenID Connect
 - OAuth2
- All of them :)

<https://ipsilon-project.org>

Host project

- Host source
- Ticketing system
- Change proposal

Pagure

- Python-based
- Source: git repository
- Ticketing option
- Change proposal via pull-requests
- Documentation hosting

- <https://pagure.io>



Pagure



Pagure

- 1 project = 4 git repos
 - Sources
 - Doc
 - Ticket meta-data
 - PR meta-data
- Local access to tickets
- Sync b/w pagure instance (private/public)
- Move to/between/off pagure

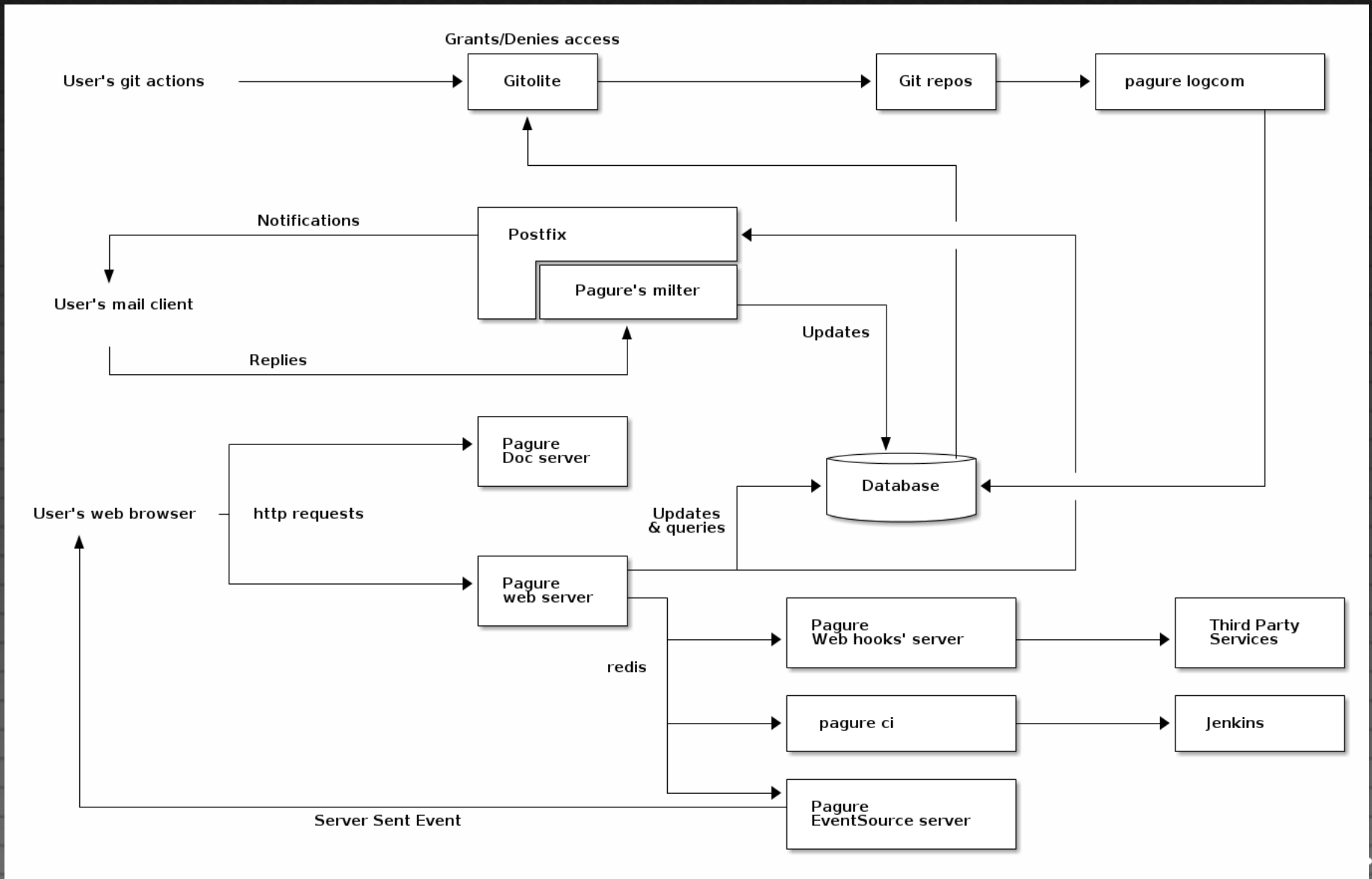


Pagure

- Strong dedication to support self-hosting
- Service oriented architecture




Pagure




Pagure

- Reply to tickets by email
- Live-refresh of tickets/PRs page
- Self-registration
- Calendar activity heatmap
- Web-hook/fedmsg
- Pull-Requests Flags
- Tags issues
 - Multiple filtering options → reports



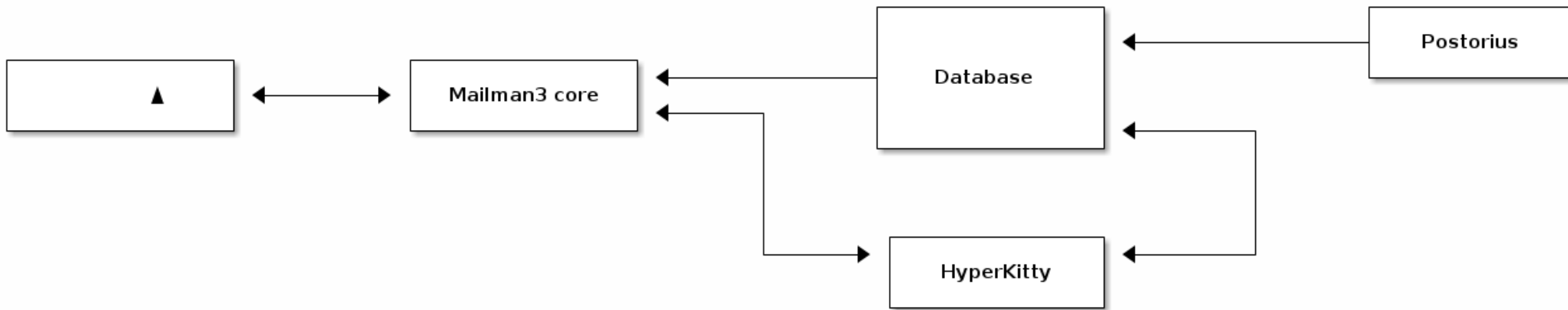
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- Accounts
 - Auth
 - Source, doc, tickets, change request hosting

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- Accounts
 - Auth
 - Source, doc, tickets, change request hosting
 - Discussion / Announces / Support

Mailman3

- New generation of MailMan
- python3-based
- One core app:
 - mailman-core
- Two django apps
 - Postorius
 - Admin interface
 - HyperKitty
 - Archive interface

Mailman3



HyperKitty

- Bridge forum and mailing-lists
 - Post without getting emails
 - Reply online
 - Social-network features
 - +1/-1
 - Tags
 - Most active posters...
 - Activity stats

<https://lists.fedoraproject.org/>

Questions?



Contact:

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