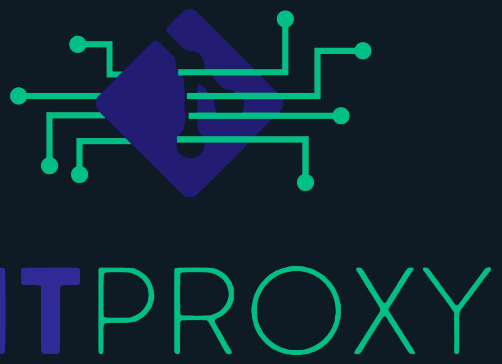
OPEN SOURCE IN FINANCE FORUM 2026 – NEW YORK

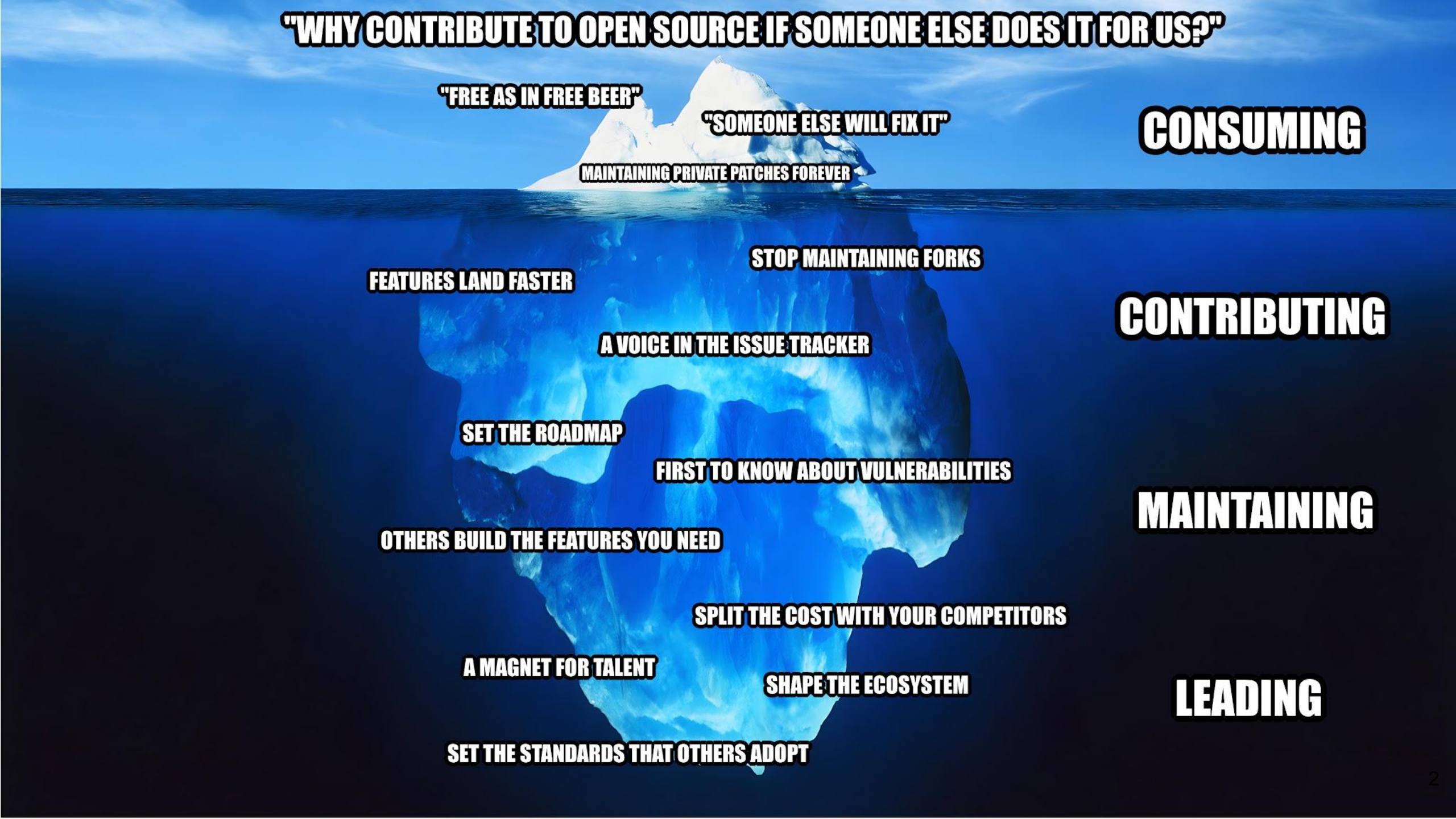
Enabling Secure and Compliant Open Source Contributions with Git Proxy



Let your developers push upstream safely and easily with security, legal and compliance controls built into every git push.

Juan Escalada
Git Proxy Maintainer · Open Source Software Engineer at G-Research

github.com/finos/git-proxy · git-proxy.finos.org


"WHY CONTRIBUTE TO OPEN SOURCE IF SOMEONE ELSE DOES IT FOR US?"
"FREE AS IN FREE BEER"
"SOMEONE ELSE WILL FIX IT"
MAINTAINING PRIVATE PATCHES FOREVER
CONSUMING
STOP MAINTAINING FORKS
FEATURES LAND FASTER
CONTRIBUTING
A VOICE IN THE ISSUE TRACKER
SET THE ROADMAP
FIRST TO KNOW ABOUT VULNERABILITIES
MAINTAINING
OTHERS BUILD THE FEATURES YOU NEED
SPLIT THE COST WITH YOUR COMPETITORS
A MAGNET FOR TALENT
SHAPE THE ECOSYSTEM
LEADING
SET THE STANDARDS THAT OTHERS ADOPT

THE PROBLEM

Regulated firms restrict contributions by default

Open source drives cost reduction, speed and innovation. But in financial services, pushing code out of the firm collides with real obligations.

Data & secret leakage

A single git push can carry credentials, internal hostnames or client data upstream, and history is forever.

Legal & IP exposure

License obligations, CLA/DCO requirements and IP ownership questions on outbound code.

Regulatory evidence

Auditors and regulators expect provable controls: who pushed what, where, when, and who approved it.

Typical solutions

- Blocking outbound git operations by default
- Confusing ad-hoc contribution processes
- Lengthy review processes that discourage contribution

The hidden cost

Losing upstream influence, maintaining internal forks, frustrated engineers and **consuming open source without a seat at the table**

Git Proxy: push protections and policies on top of Git

Git Proxy sits between your developers and any Git remote (github.com, gitlab.com, internal mirrors). It intercepts every git operation and applies your firm's rules before anything leaves the building.

FINOS Graduated project

Highest maturity stage in FINOS governance

Keeps the standard Git workflow

Developers branch, commit and push as usual

Approval-first by design

Pushes are held, reviewed and approved (by humans or automation) before reaching upstream

Actively maintained by major financial firms

Including CitiBank, Royal Bank of Canada, NatWest, G-Research, Qube Research & Technologies

5+

actively contributing financial firms

60+

total contributors

HTTPS + SSH

supported protocols

Apache-2.0

license

ARCHITECTURE

Every push flows through your policy chain



Rejected pushes never leave the firm. Approved pushes are forwarded to the real remote and all operations are recorded for auditing.

CAPABILITIES

What Git Proxy can do

1 · Checks on every push

Apply checks to all outgoing pushes before code leaves your network.

2 · Fine-grained access control

Define who can push, who can approve, and which repositories or remotes each team may interact with.

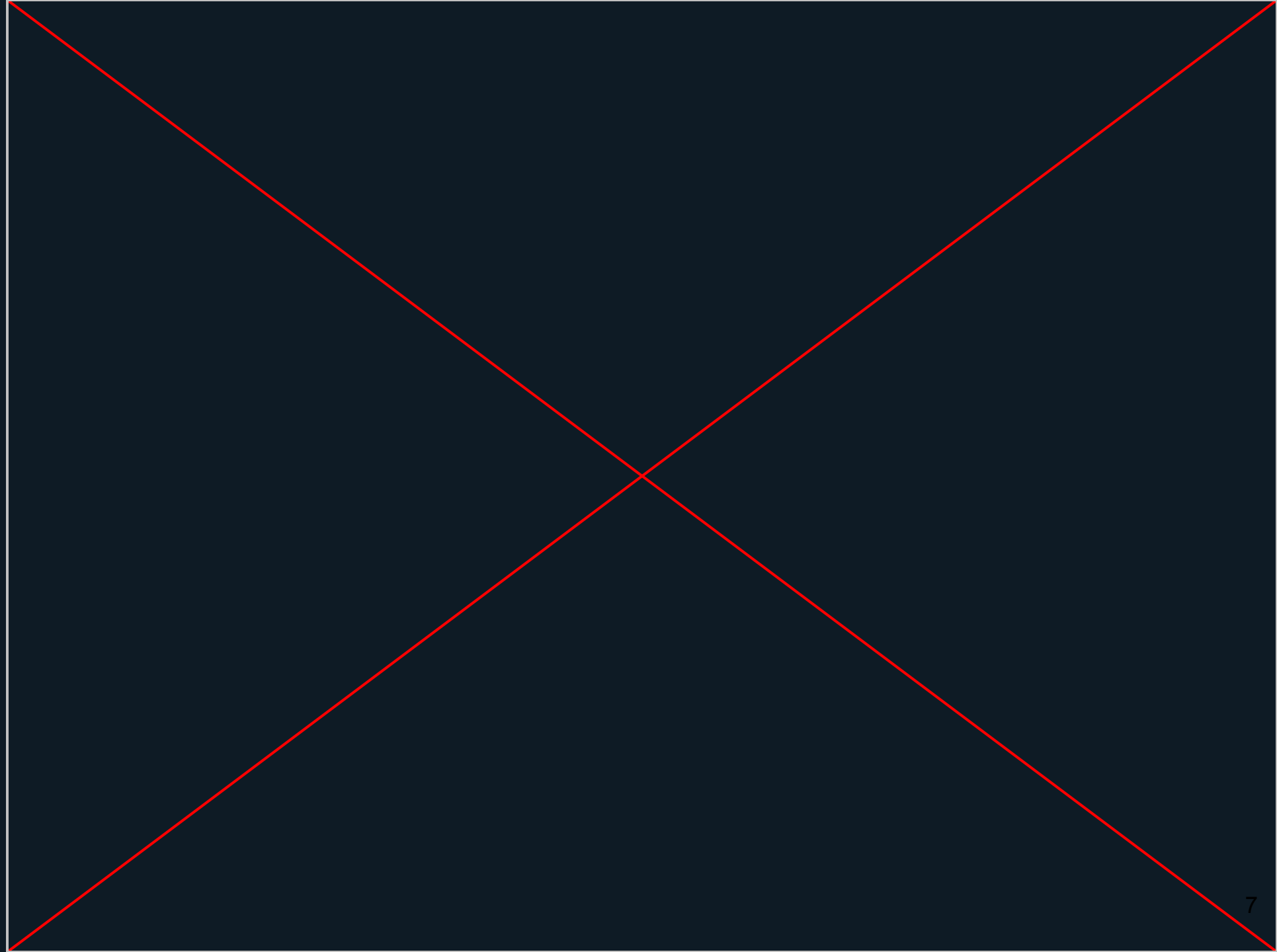
3 · Audit evidence

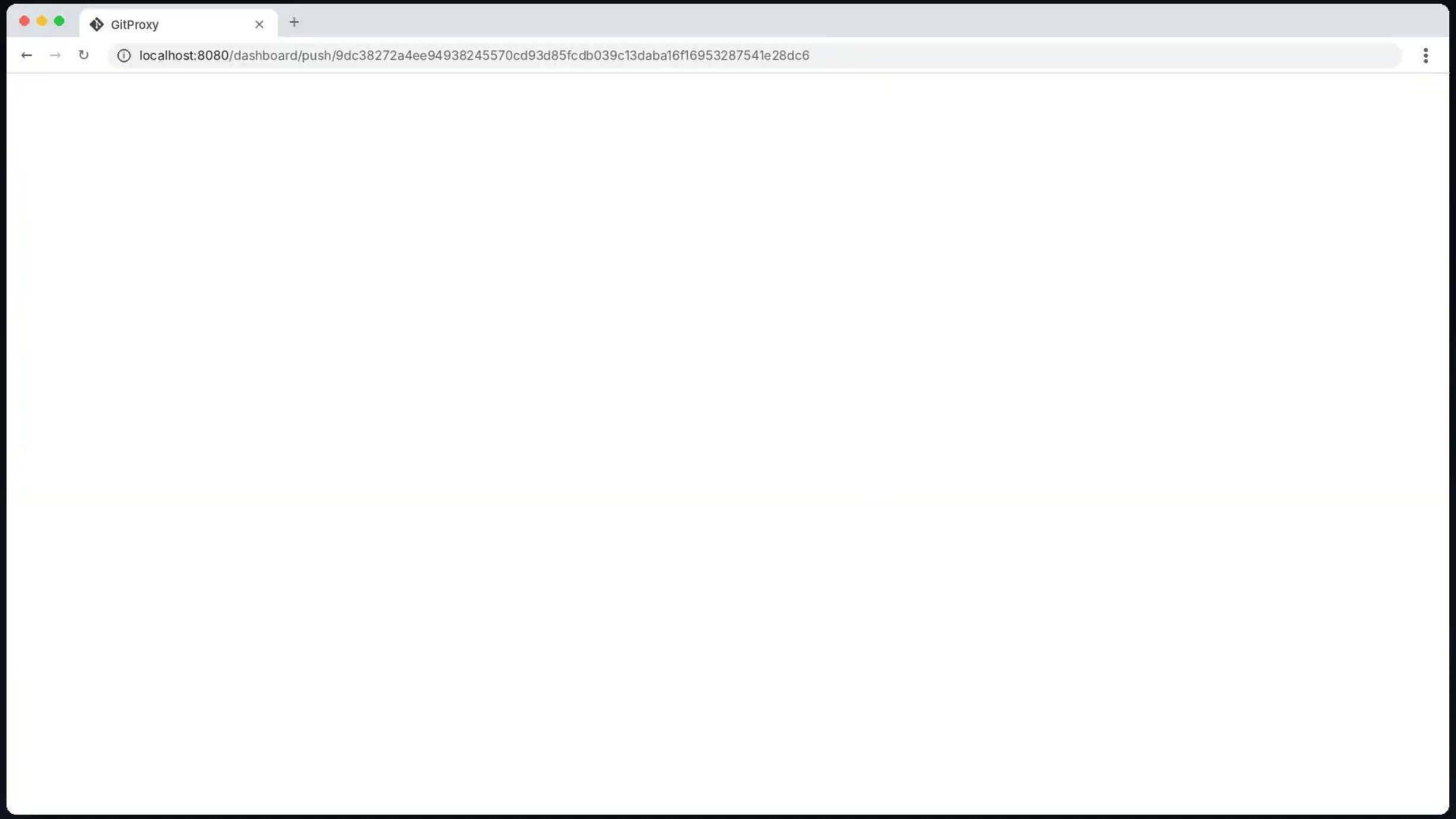
Every intercepted Git operation is captured and stored in your database of choice (MongoDB, PostgreSQL).

4 · Plugins & event handlers

Extend the chain with your own legal, security and compliance logic. Your rules become first-class citizens.

User Demo




GitProxy
localhost:8080/dashboard/push/9dc38272a4ee94938245570cd93d85fcdb039c13daba16f16953287541e28dc6

Try it yourself

```
npx -- @finos/git-proxy
```

ADOPTION PATH

Getting started is easy

01

Try it today

npx -- @finos/git-proxy on a laptop. Point a fork at the proxy and watch a push get blocked. No infrastructure needed.

02

Pilot with one team

Deploy the container, choose repos to allow-list and wire approvals to a small reviewer group while keeping existing Git hosting untouched.

03

Codify firm policy

Translate your OSPO / security checklist into plugins and event handlers. Connect audit storage to your database of choice.

04

Roll out & contribute back

Expand repo coverage, enable SSH, and upstream your generic improvements; through GitProxy itself, of course!

Docs, quickstart & architecture guides: git-proxy.finos.org

Join us in making open source work for finance!

github.com/finos/git-proxy

Star it, open an issue, submit a PR

git-proxy.finos.org

Docs, quickstart, architecture

#git-proxy on FINOS Slack

Ask for help on deploying Git Proxy



GITPROXY

Thank you — questions?

Juan Escalada · GitProxy Maintainer & Open Source Software Engineer at G-Research

Share your thoughts about this session

