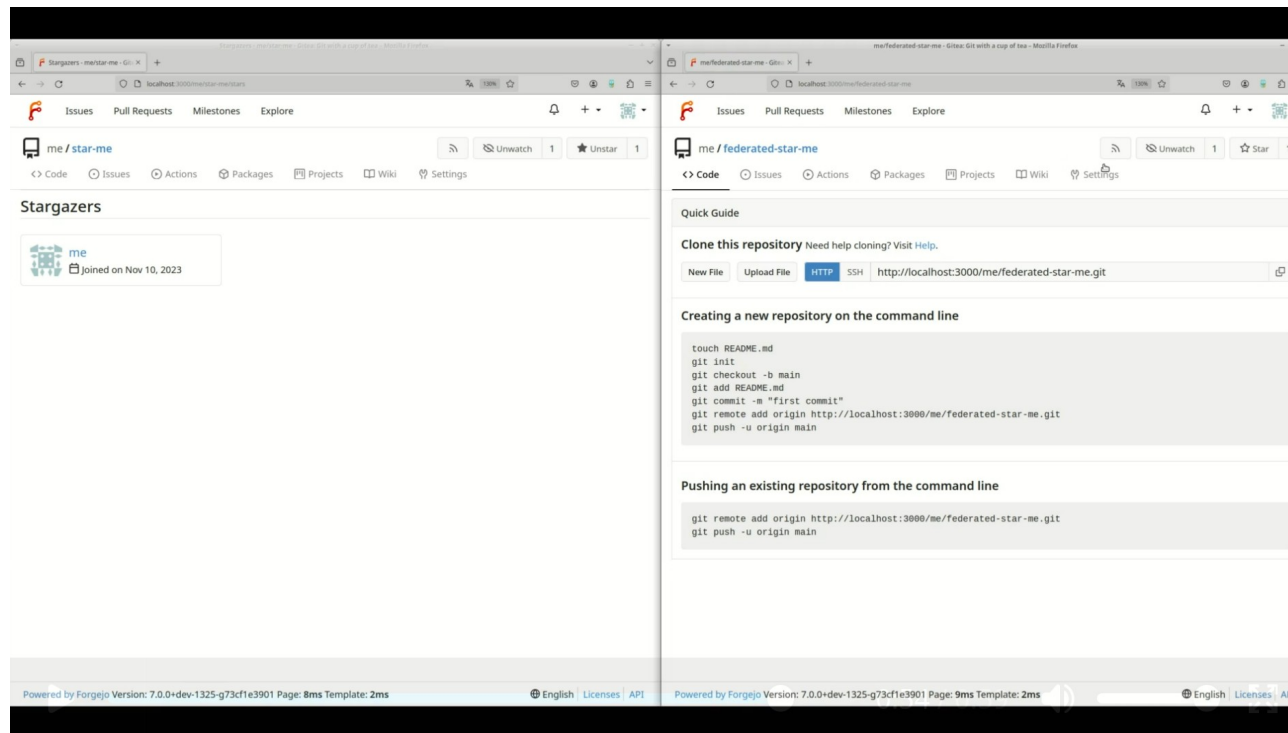


Federation in Forgejo

Show & Tell

State of Federation Today

- First user-visible feature rolled out in 08.24



Small ...

- We've chosen this, because
 - Simplest possible feature
 - No need for moderation
 - No enhanced need for security

Small ... but

- Reliable & future-proof mapping of federated users

<https://federated-repo.some.instance.org/api/v1/activitypub/user-id/1>



FederationHost



FederationUser



Small ... but ...

- Secure & resistant

Threat Analysis: Federated Like Activity

Technical Background

Control Flow

```
sequenceDiagram
    participant FRS as foreign_repository_server
    participant ORS as our_repository_server
    participant R as repository
    participant FI as FederatorInfo
    participant NIWK as NodeInfoWellKnown
    participant NI as NodeInfo
    participant FL as ForgeLike
    participant U as user
    participant FP as ForgePerson

    FRS->>ORS: post /api/activities/public/repository-id/1/inbox (Like-Activity)
    ORS->>R: load "1"
    ORS->>ORS: validate actor id inputs
    ORS->>FI: get by Host
    ORS->>ORS: if FederatorInfo not found
    ORS->>FRS: get .well-known/nodeinfo
```

Threat Analysis: Federated Like Activity

- Technical Background
 - Control Flow
 - Data transferred
 - Data Flow
- Analysis
 - Assets
 - Actors
 - Threat
- Mitigations
- DREAD-Score
- Contributors
- Reference



Roadmap: User-visible Features

- Federated Star (done)
- Federated Unstar (wip)
- Federated user activity following (wip)
- Following For Repositories
- Federated Notify
- Federated Notify - Integration with Mastodon
- Federated Comments & Discussions
- Federated PRs



Who contributes

- @gusted
 - Moderation
- @algernon
 - User Activities
- @meissa
 - Federated Star / Unstar

@meissa

- Motivation
 - You know X, Facebook, Xing, SourceForge?
 - What about GitHub?

@meissa

- Motivation

- You know X, Facebook, Xing, SourceForge?
- What about GitHub?

**It is time to
de-risk
OpenSource engagement!**

@meissa

- Dev, DevOps, Cloud & Security
- EcoGood & Privacy
- Commercial Forgejo Service

