



Dist Git Comparison ARC Investigation

Progress Report

Fedora Council video meeting on 17 October 2024

Tomas Hrcka

Software Engineering Grease Monkey



Akashdeep Dhar

Overthinking Armchair Analysis Human



User stories

Ref. <https://pagure.io/fedora-infra/arc/issue/164>

95+

STORIES GATHERED

Related to

- Package management
- Quality assurance
- Deployment and maintenance
- Component analysis
- Accesses and notifications
- Documentation and Design

And more...

15+

SUBPROJECTS REPRESENTED

For example

- Fedora Python
- Fedora Quality
- Fedora Infrastructure
- Fedora Websites and Apps
- Fedora Design
- Fedora Docs

And more...

Forgejo Deployment

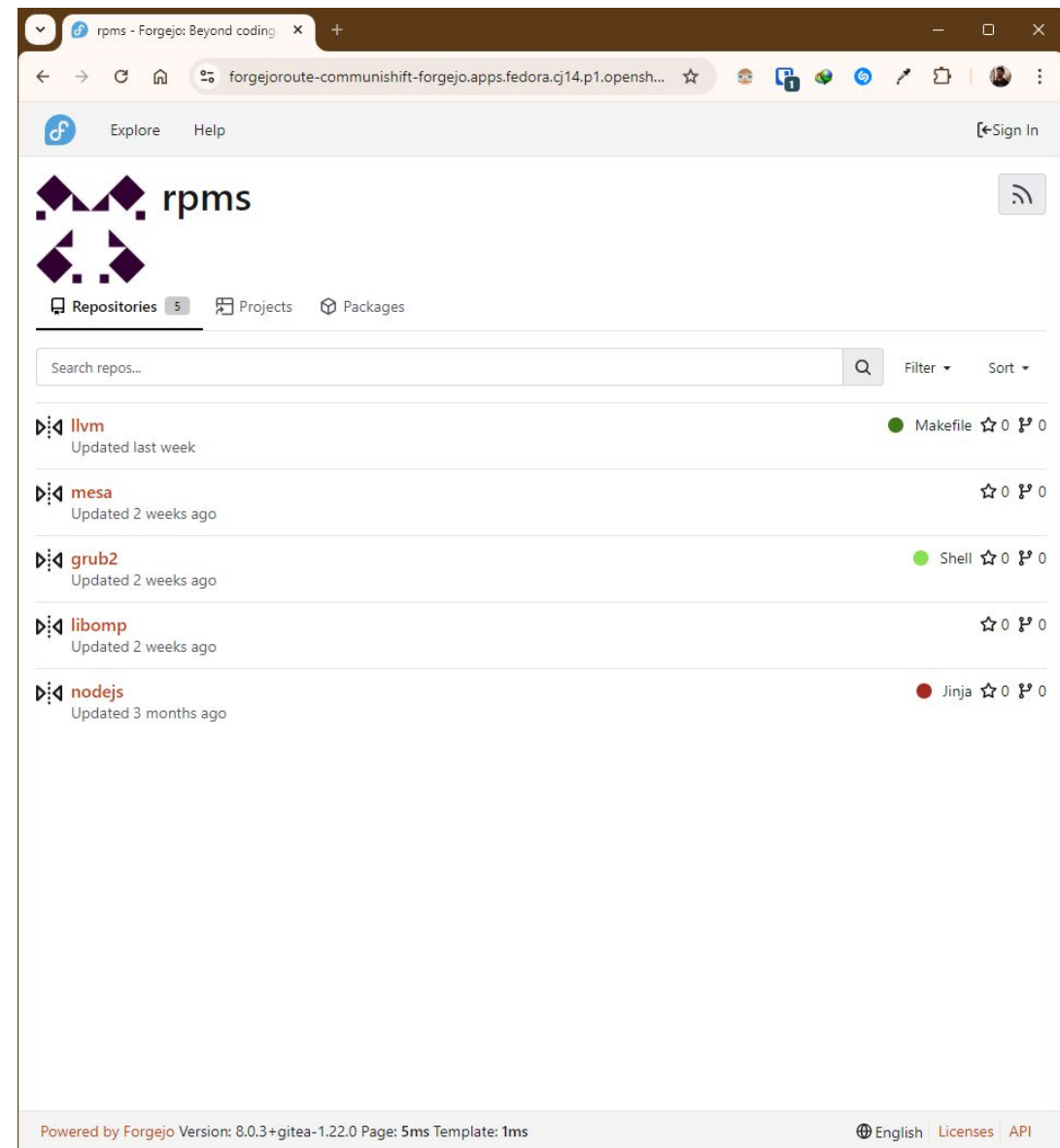
Ref.

<https://forgejoroute-communishift-forgejo.apps.fedora.cj14.p1.openshiftapps.com/rpms>

Maintained by Ryan Lerch

Details

- Supports Fedora Accounts System staging
- Has been maintained for over six months now
- SSH cloning and pushing unsupported
- Deployment made in Fedora Infrastructure



GitLab Deployment

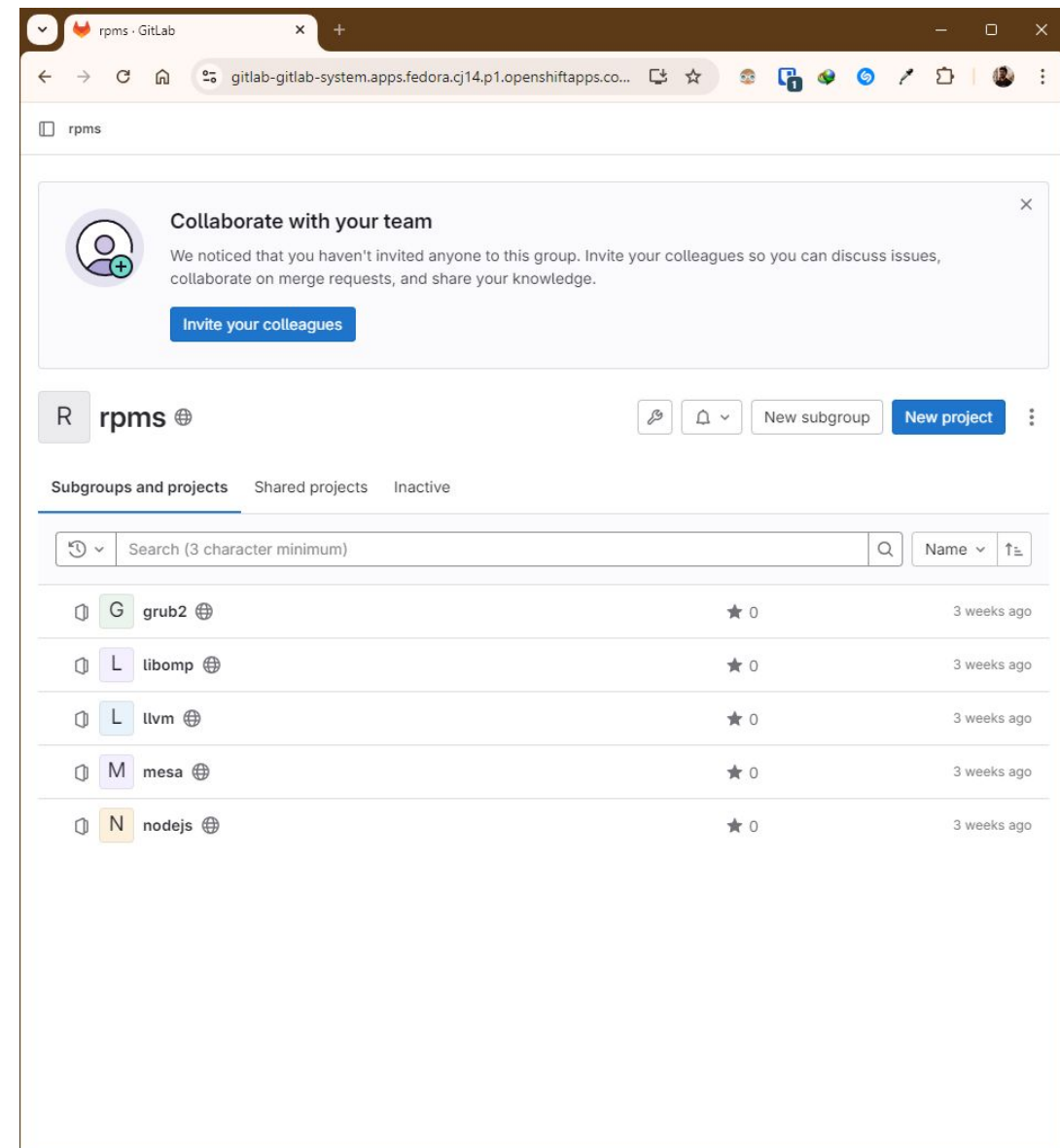
Ref.

<https://gitlab-gitlab-system.apps.fedora.cj14.p1.openshiftapps.com/rpms>

Maintained by David Kirwan

Details

- Supports signing up requests
- Has been maintained for over six months now
- SSH cloning and pushing unsupported
- Deployment made in Fedora Infrastructure



Investigation Report

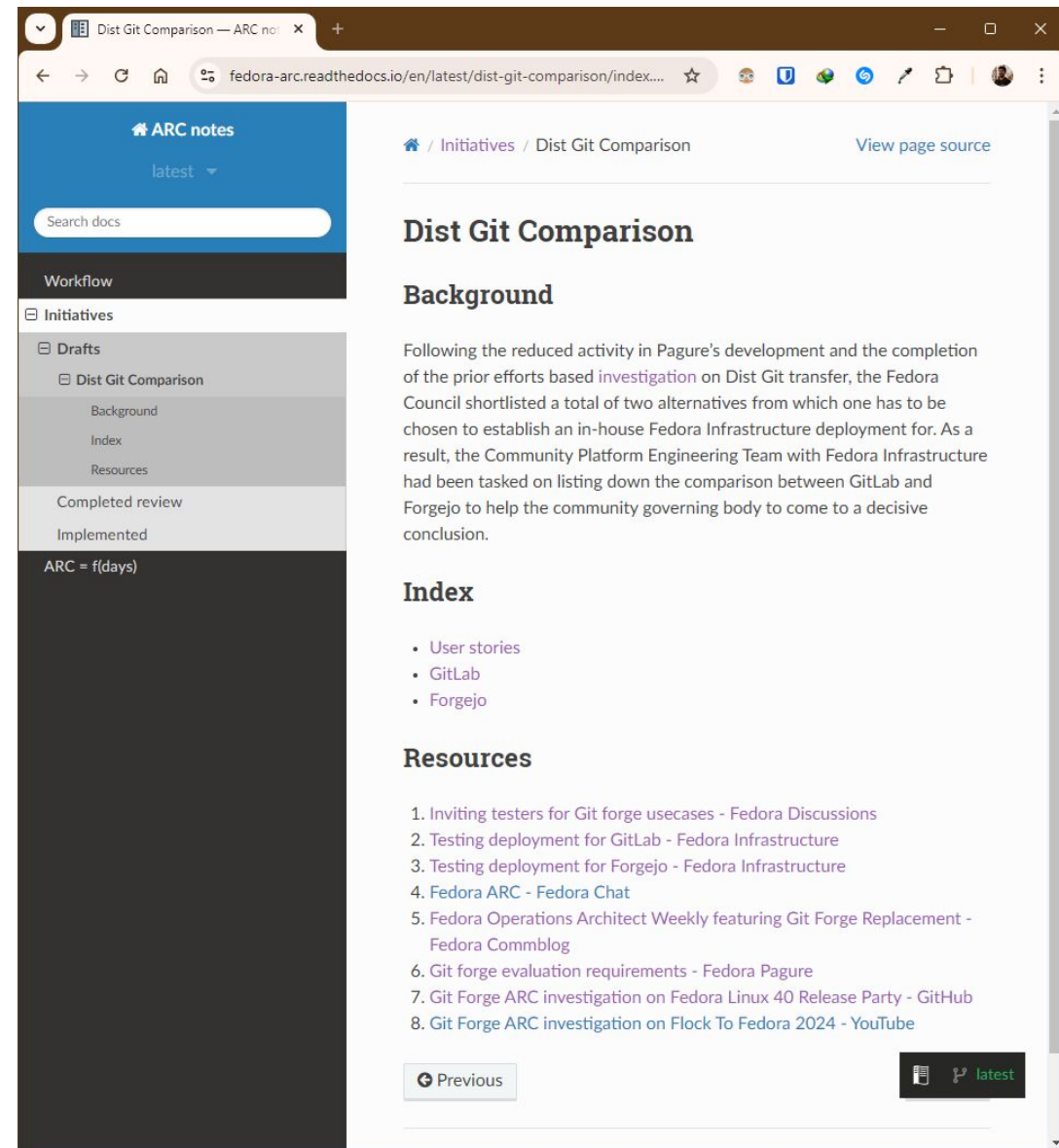
Ref.

<https://fedora-arc.readthedocs.io/en/latest/dist-git-comparison/index.html>

Maintained by Akashdeep Dhar

Details

- Actively changed based on the ARC issue tracker
- Actively updated based on the Discussions feedback
- Equal relevance provided to all user stories
- Details related to deployment and maintenance added



The screenshot shows a web browser displaying the 'Dist Git Comparison' page on the 'ARC notes' documentation site. The page has a dark blue header with the 'ARC notes' logo and a 'latest' dropdown. Below the header is a search bar and a 'Workflow' section. The main content area is divided into two columns. The left column contains a sidebar with 'Initiatives' and 'Drafts' sections. The 'Initiatives' section lists 'Dist Git Comparison' with sub-links for 'Background', 'Index', and 'Resources'. The 'Drafts' section lists 'Completed review' and 'Implemented'. The right column contains the main content, which includes the title 'Dist Git Comparison', a 'Background' section with a paragraph about the investigation, an 'Index' section with links to 'User stories', 'GitLab', and 'Forgejo', and a 'Resources' section with a list of 8 links. At the bottom of the page, there are 'Previous' and 'latest' buttons.

ARC notes
latest

Search docs

Workflow

Initiatives

Drafts

Dist Git Comparison

Background

Index

Resources

Completed review

Implemented

ARC = f(days)

Initiatives / Dist Git Comparison [View page source](#)

Dist Git Comparison

Background

Following the reduced activity in Pagure's development and the completion of the prior efforts based [investigation](#) on Dist Git transfer, the Fedora Council shortlisted a total of two alternatives from which one has to be chosen to establish an in-house Fedora Infrastructure deployment for. As a result, the Community Platform Engineering Team with Fedora Infrastructure had been tasked on listing down the comparison between GitLab and Forgejo to help the community governing body to come to a decisive conclusion.

Index

- [User stories](#)
- [GitLab](#)
- [Forgejo](#)

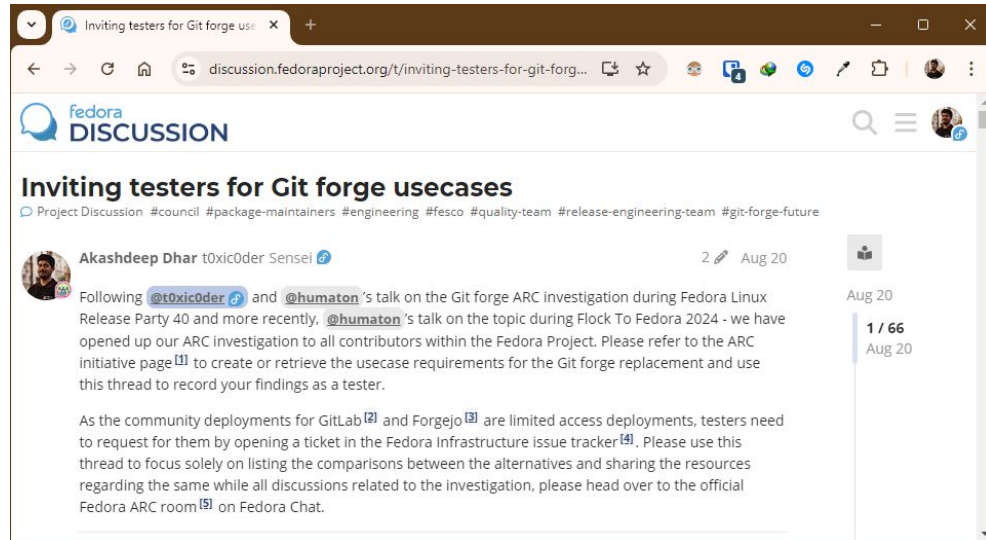
Resources

1. [Inviting testers for Git forge usecases - Fedora Discussions](#)
2. [Testing deployment for GitLab - Fedora Infrastructure](#)
3. [Testing deployment for Forgejo - Fedora Infrastructure](#)
4. [Fedora ARC - Fedora Chat](#)
5. [Fedora Operations Architect Weekly featuring Git Forge Replacement - Fedora Commblog](#)
6. [Git forge evaluation requirements - Fedora Pagure](#)
7. [Git Forge ARC investigation on Fedora Linux 40 Release Party - GitHub](#)
8. [Git Forge ARC investigation on Flock To Fedora 2024 - YouTube](#)

[Previous](#) [latest](#)

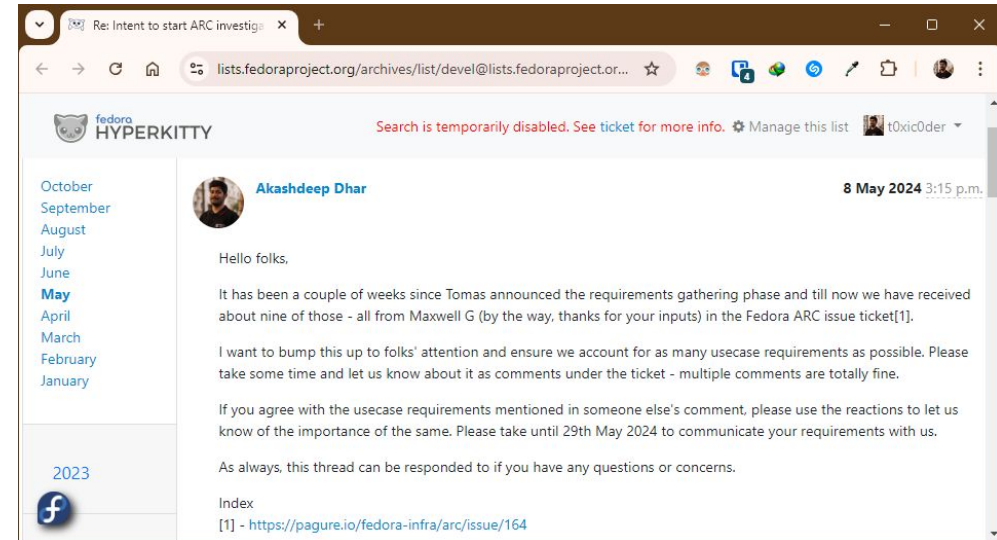
Communication

On Fedora Discussions and Fedora Lists



Ref.

<https://discussion.fedoraproject.org/t/inviting-testers-for-git-forge-usecases/129016>

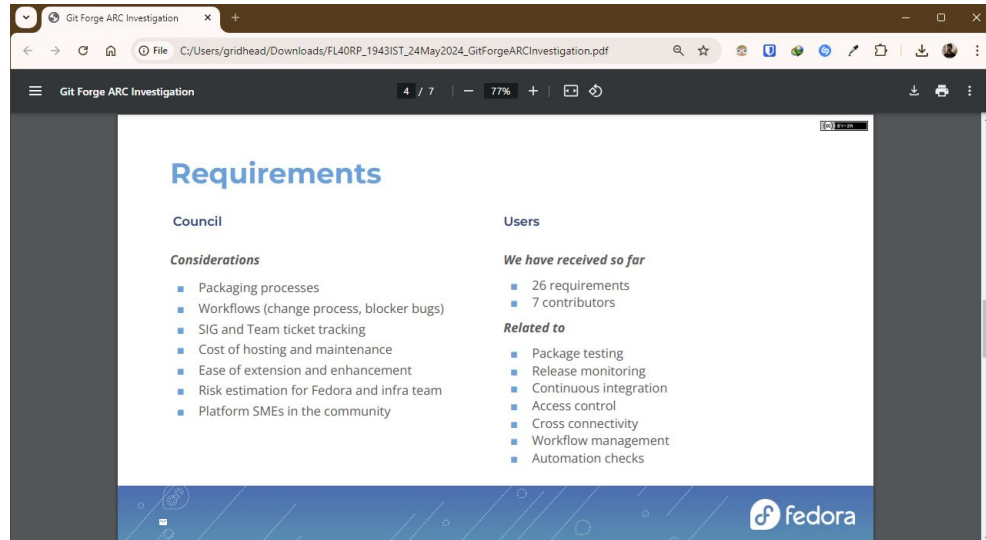


Ref.

<https://lists.fedoraproject.org/archives/list/devel@lists.fedoraproject.org/message/VKWVMA MFV2AI3BJ53EN4YQEG7SQOTPN/>

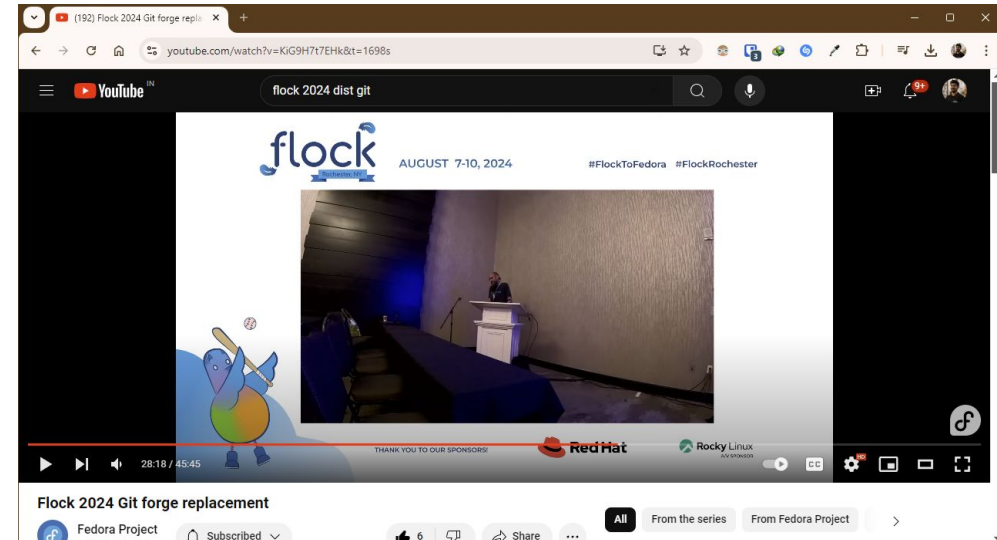
Representation

During Fedora Linux 40 Release Party and Flock To Fedora 2024



Ref.

https://github.com/gridhead/gridhead/blob/master/FL40RP_1943IST_24May2024_GitForgeARCInvestigation.pdf



Ref.

https://youtu.be/KiG9H7t7EHk?si=Q5v9_jG32BX0uyrw

Special Mention

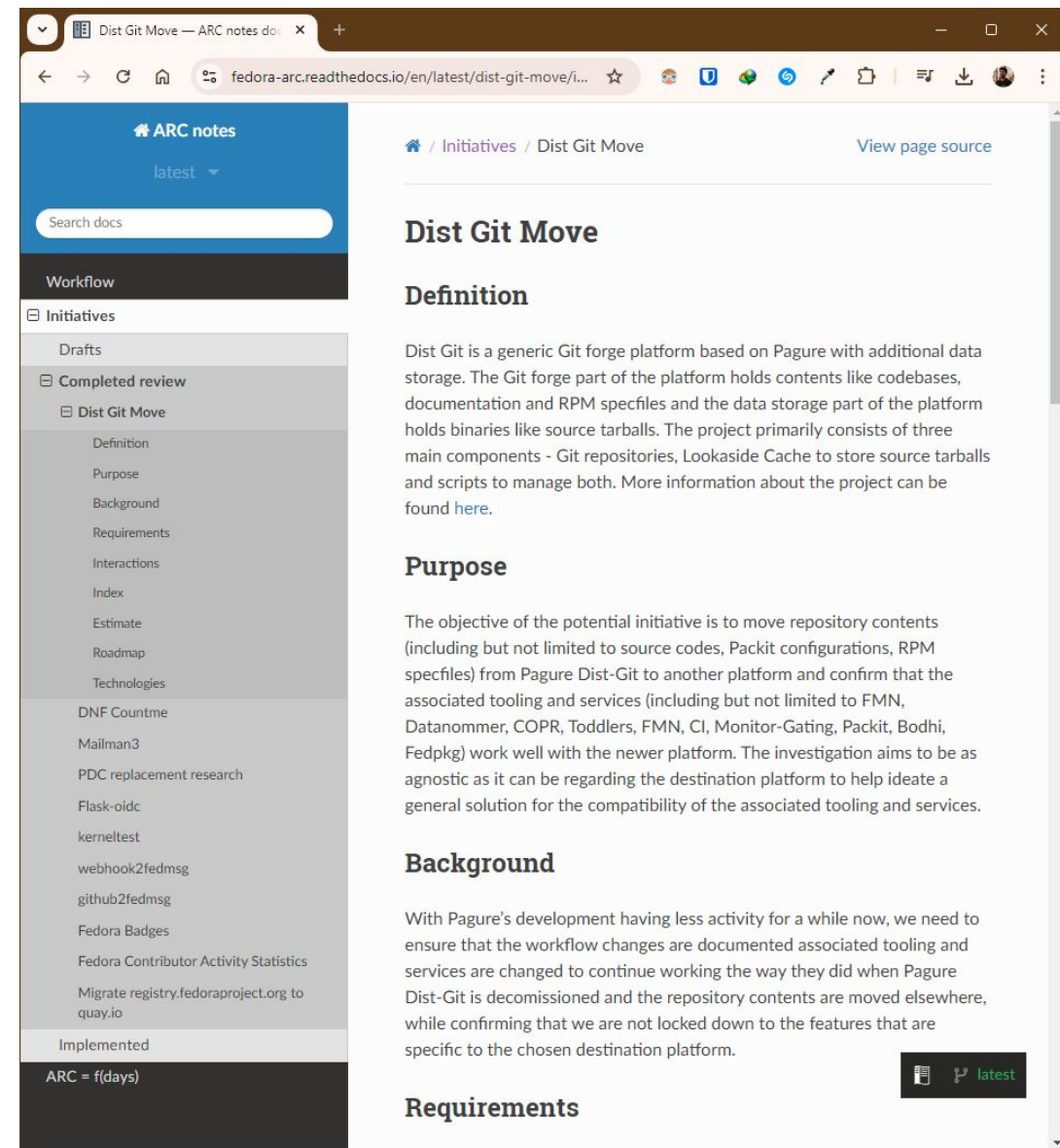
Ref.

<https://fedora-arc.readthedocs.io/en/latest/dist-git-move/index.html>

Maintained by Akashdeep Dhar and Michal Konecny

Details

- Investigated migration route is Git Forge agnostic
- Reviewed before kicking off the Dist Git Comparison
- Documents verbosely on the inter-dependence
- Can be revisited depending on the Git Forge selected



The screenshot shows a web browser displaying the 'Dist Git Move' documentation page. The page is part of the 'ARC notes' project, as indicated by the header. The left sidebar contains a navigation menu with categories like 'Workflow', 'Initiatives', and 'Drafts'. Under 'Initiatives', 'Dist Git Move' is selected, showing a list of sub-topics: Definition, Purpose, Background, Requirements, Interactions, Index, Estimate, Roadmap, and Technologies. The main content area on the right is titled 'Dist Git Move' and includes a 'Definition' section explaining that Dist Git is a generic Git forge platform based on Pagure. It also has a 'Purpose' section discussing the goal of moving repository contents and a 'Background' section mentioning the need for documentation as Pagure development activity decreases. A 'Requirements' section is also visible at the bottom. The page includes a search bar, a 'View page source' link, and a 'latest' version indicator.

Work in progress

Work in progress

We are

- In conversations with the **Fedora Quality** to ensure that their user stories are well represented
- Working on organizing an **exploratory testing event** in association with Fedora Quality team
- Reaching out to subprojects and SIGs that are **not strongly related to packaging** for user stories
- Making **updates based on the feedbacks** received from the ARC tracker and Discussion thread
- Polishing up the **documentation for stakeholder review** before the actual submission date
- Including the **feedback from Fedora Council** during the video meeting on 17th October 2024

Is that not today?

Work in progress

What takes you so long?

- *As a policy designer, I need to be able to add custom and structured metadata to a ticket/issue/bug, in the form of key=value pairs. I need to be able to set rules for individual keys (such as which values are valid).*
- *As a packager, I need the new forge to support the orphaned packages process: a maintainer should be able to automatically orphan a package they own and another packager should be able to take ownership through a self-service interface.*

References

References

- **Git Forge Evaluation 2024 (Fedora Council)**
<https://pagure.io/Fedora-Council/tickets/issue/473>
- **Inviting testers for Git forge usecases (Fedora Lists)**
<https://lists.fedoraproject.org/archives/list/devel@lists.fedoraproject.org/message/F3R2DNPL6LTJOP2ENKJ3VH5MSNOM6JJZ/>
- **Git Forge Evaluation requirements (Fedora Infrastructure)**
<https://pagure.io/fedora-infra/arc/issue/164>
- **Testing discussions and feedback collection (Fedora Discussion)**
<https://discussion.fedoraproject.org/t/inviting-testers-for-git-forge-usecases/129016>

QUESTIONS AND FEEDBACK?

Tomas Hrcka & Co.