

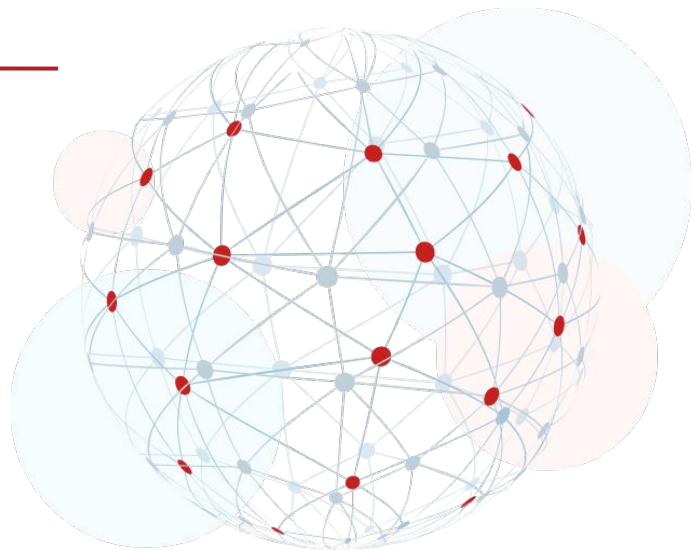


# Introducing Fedora

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Presented by:

**Dan Field** - Fedora Program Developer



# What is Fedora?

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*Fedora is a sustainable open-source repository system underpinning many types of digital libraries and archives. It's designed to store, manage, and preserve digital content.*

*Fedora is particularly well-suited for institutions such as libraries, universities, research centres, and museums that need to preserve and provide access to their digital collections.*

- Stores, preserves, and provides access to digital objects
- Supports flexible content models for objects
- Supports semantic relationships between objects
- Native fixity checking
- Interoperates with other applications and services
- Published RESTful API

# Why Use Fedora?

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- **Flexibility**: It can handle both simple & complex use cases
- **Content is durable**: Fedora supports long-term preservation
- **Standards-based**
- Thriving global **community support**

# Oxford Common File Layout



*A simple,  
non-proprietary,  
specified,  
open-standards  
approach to the layout of  
preservation persistence.*

# Front-End & Other Solutions

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## Samvera

- Hyrax
- Hyku
- Avalon (media)



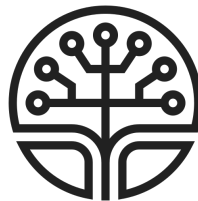
## Islandora

- Legacy
- Islandora 2.0
- ISLE



## PHAIDRA

- Full stack solution built on Fedora 6.x



## Custom & Vended Solutions

Fedora has no native front-end and is often considered middleware

# The Fedora Community

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**~300**



**Users**

Worldwide

**+40**

**Institutions**

Known Fedora 6.x Users

**~6**

**Institutions**

In Migration to Fedora 6.x



**18**

Engaged Fedora Governance  
Members



**~600**

Active Slack Members



**7**

Active Fedora Committers



**~40**

Fedora Members

**Fedora™**

# Meet the Team

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## Lyrasis Support

- **Bridget Almas** - Director of Operations, CSTHS

## Fedora Program Team



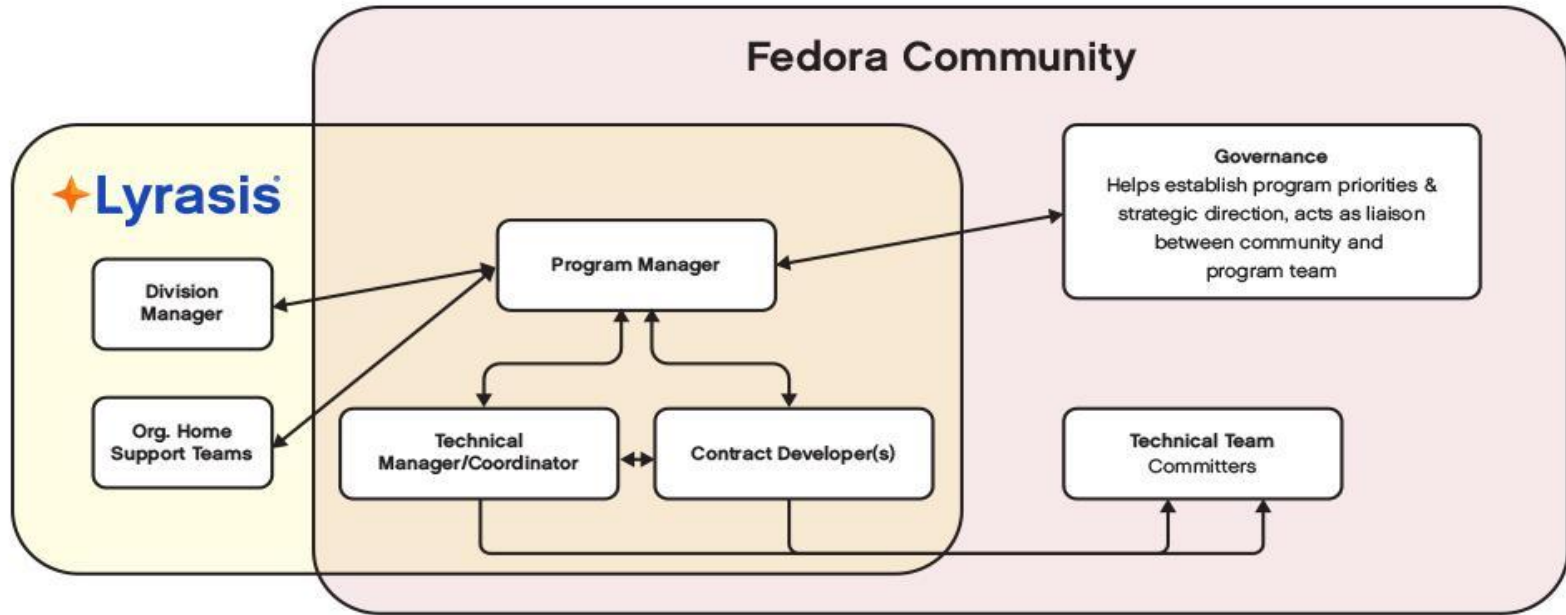
**Arran Griffith** - Program Manager



**Dan Field** - Program Developer

## Active Committer Team

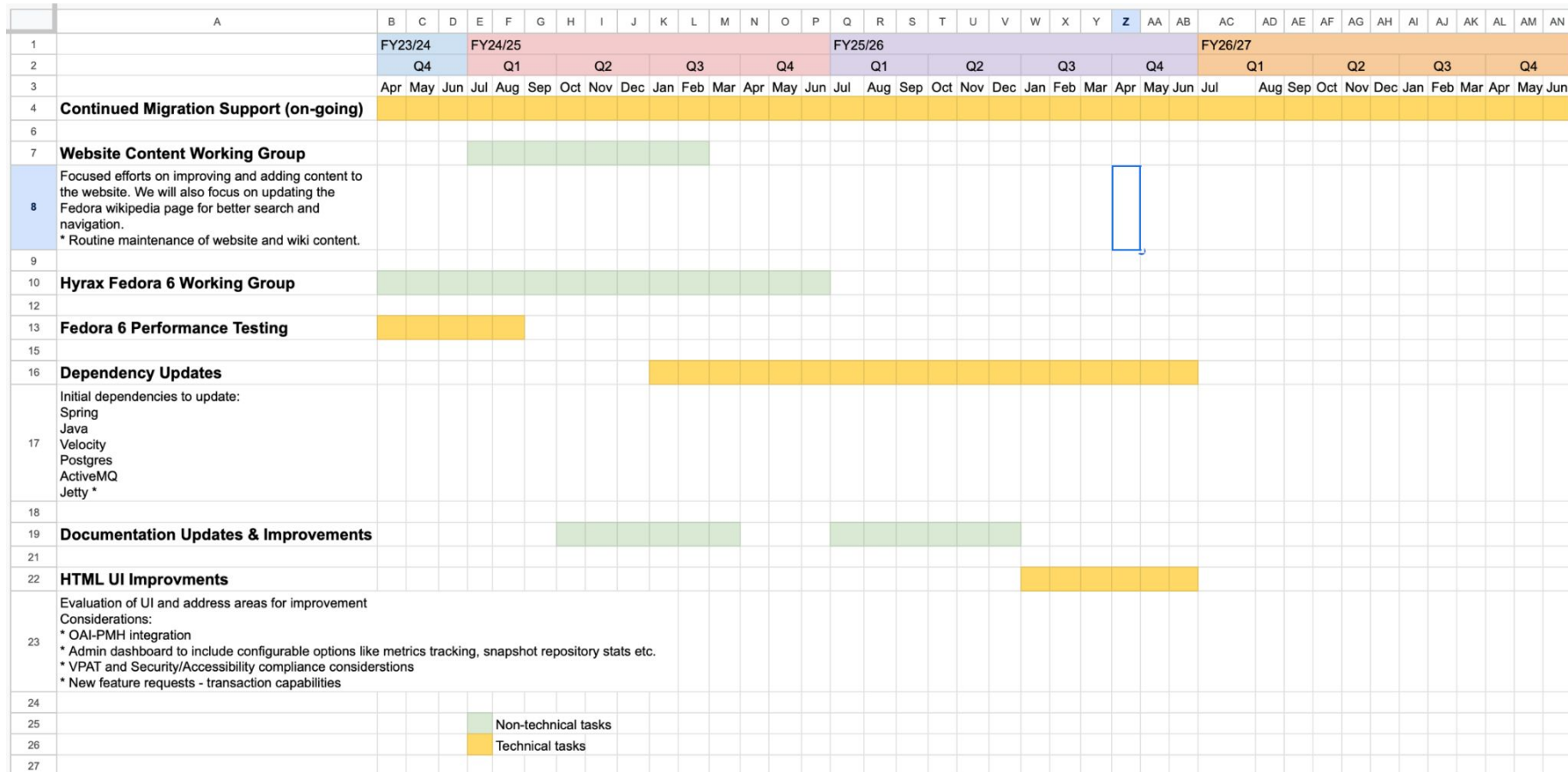
- Ben Pennell (*UNC Chapel Hill*)
- Jared Whiklo (*UManitoba*)
- Demian Katz (*Villanova*)
- Doron Shalvi (*NLM*)
- Calvin Xu (*NLM*)
- Thomas Bernhart (*DocuTeam AG*)
- James Alexander (*The Open University, UK*)



## Fedora Members

Provide support financially or through in-kind contributions, act as advocates for the program, engage and participate in community activities.

# Fedora Community Roadmap



# Fedora™



spring®



Jersey



MariaDB



Prometheus



Flyway



[LOGBACK]

[SLF4J]



GlassFish

JUnit 5



Apache Velocity™

<HtmlUnit/>



API CATALOG



# Current Versions



## Fedora Core Repository: v6.5.1

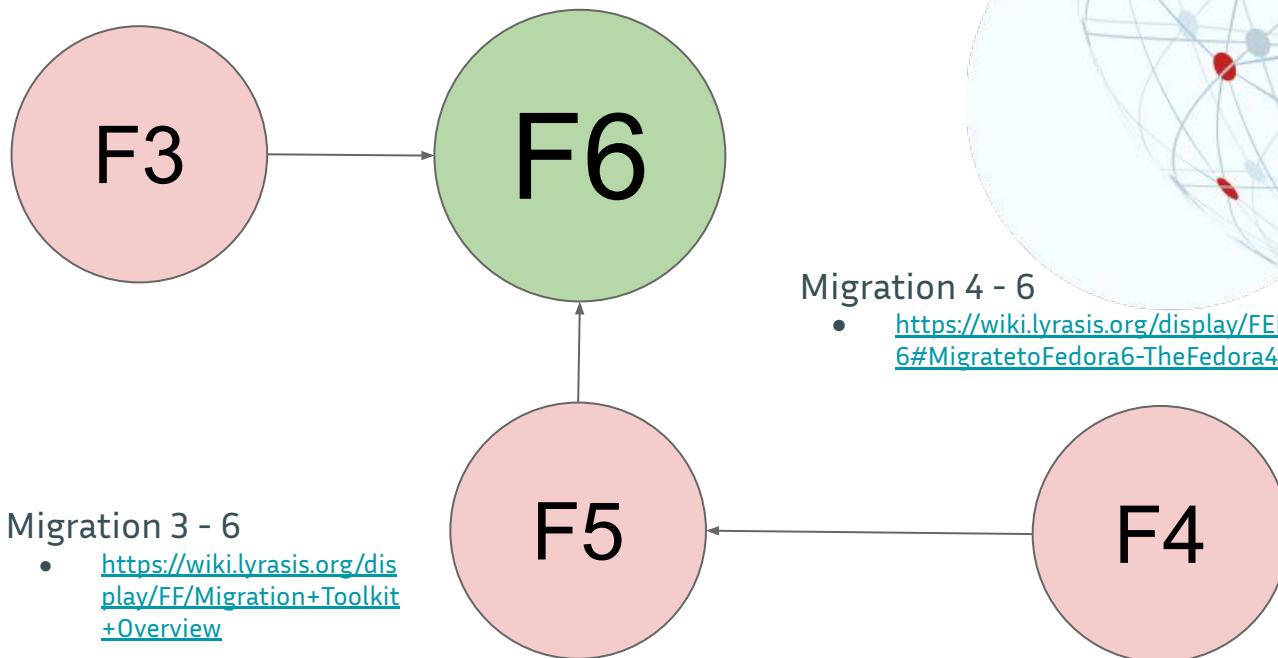
- Migration-utils - v6.5.1
- Migration validator - v1.2.1
- Camel Toolbox - v6.2.1



## [Fedora Docker Image](#)

# Migration Pathways

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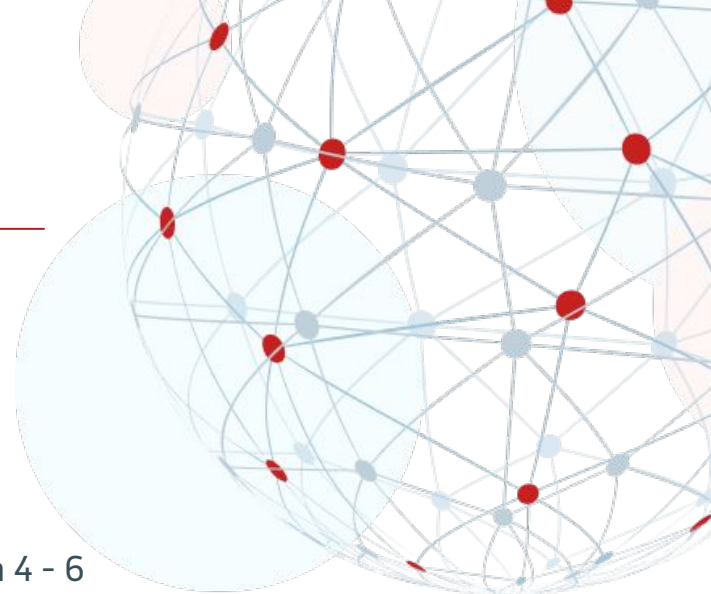


## Migration 4 - 6

- <https://wiki.lyrasis.org/display/FEDORA6x/Migrate+to+Fedora+6#MigratetoFedora6-TheFedora4%E2%86%926MigrationPath>

## Migration 3 - 6

- <https://wiki.lyrasis.org/display/FF/Migration+Toolkit+Overview>



# Resources

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## Migration-utils

<https://github.com/fcrepo-exts/migration-utils>

- A framework to support migration of data from Fedora 3 to Fedora 6 repositories

## Migration Validator

<https://github.com/fcrepo-exts/fcrepo-migration-validator>

- A command-line tool for validating migrations of Fedora 3 datasets to Fedora 6

## Metadata Remediation Guide

<https://docs.google.com/document/d/1AM8TMb0H0Q5RMCp96YHMXOR0x--KpWDV8Q8r0Ef1z-Q/edit>

- Templates, tools, best practices and helpful links for cleaning up and analyzing metadata

## Migration Guide

<https://wiki.lyrasis.org/display/FEDORA6x/Migrate+to+Fedora+6>

- Step-by-step instructions for migrating to Fedora 6

# Current Work - Fedora 7.x is Coming!

## Fedora Dependency Upgrade Project - Now Complete ✓

### Phase 1 - Code Coverage Review (March - May)

- Increased code coverage to 80% across core codebase and improved integration tests

### Phase 2 - Dependency Upgrades (May - August)

- Completed upgrades to over 40 dependency libraries
- Major upgrades include Java 11 → 21 which also included the Java to Jakarta namespace change

### Phase 3 - Community Testing

- Will be seeking community input on testing of Fedora 7.x



# Fedora 7.x Release Timeline

- Now - Late Fall
  - The technical and committer teams will be wrapping up a few hanging feature requests to include in the new release.
  - Alpha release for internal testing.
- Late Fall - Year End
  - Public Beta release and community testing phase
- Early 2026
  - Release Candidate and additional community testing
  - Official release of Fedora 7.x

# What Does This Mean for Users?

**Already on Fedora 6.x?** No problem. There is NO MIGRATION REQUIRED.

**On an older version?** ALL existing community migration tools will also function to bring you to 7.x.

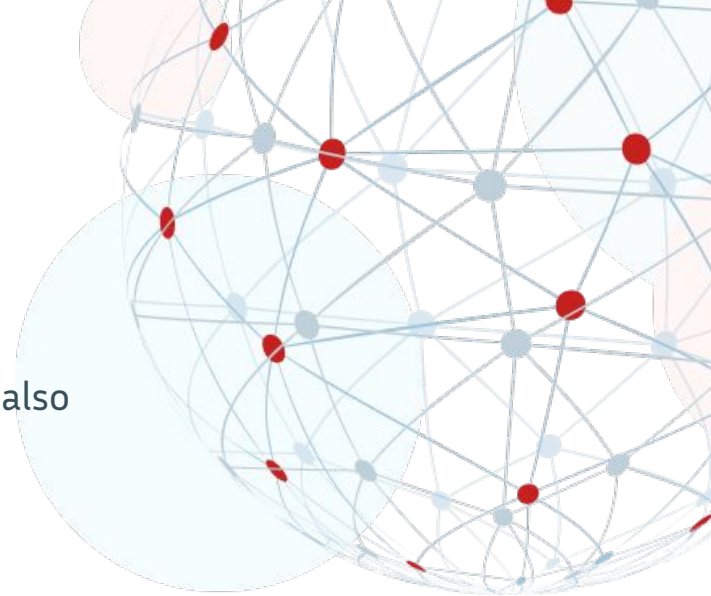
## Up Next

### Resolving Outstanding Transactions Issues

- Several community members have reported issues with long/lagging transaction commit times or transaction failures with large transactions
- Related Tickets: [FCREPO-4027](#)

### Other Hanging Features/Bugs

- HTML UI - Addition of a “confirmation” step for Delete function
- Apache 5 & JSON LD Update to support compaction/expansion/flattening



# Looking Ahead

## Virtual Fedora Showcase

- November 18-20, 2025
- Free online event sharing user stories, implementation show-and-tells and engagement opportunities for the entire community

## Workshops

- Tentatively planning to host one more virtual workshop during Virtual Fedora Showcase
- Plans to host more workshops in early 2026

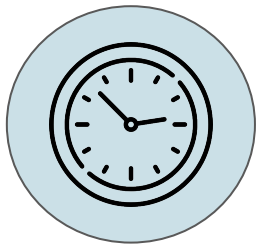
## Future Development Plans

- Will host a series of community-wide virtual discussions on planning future development efforts for Fedora

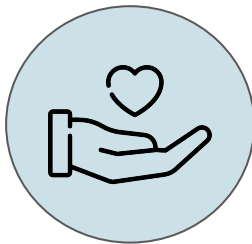


# Fedora Membership Program

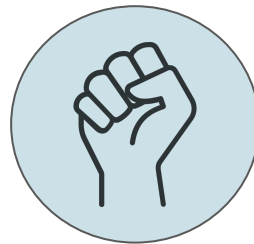
Stand with academic leaders supporting Fedora



**Support  
Sustainability**



**Accessible  
Opportunities**



**Keep our Program  
Running Strong**

**Consider Becoming a Member Today**



# Getting Involved

## Communication Channels

### Fedora Slack

- Recommended channels:
  - #general
  - #migrations
  - #tech

### Mailing Lists

- Google Groups Listservs

### Weekly Tech Call

- Every Thursday @ 11am Eastern

### Monthly Newsletter

## Get In Touch

Arran Griffith - Fedora Program Manager

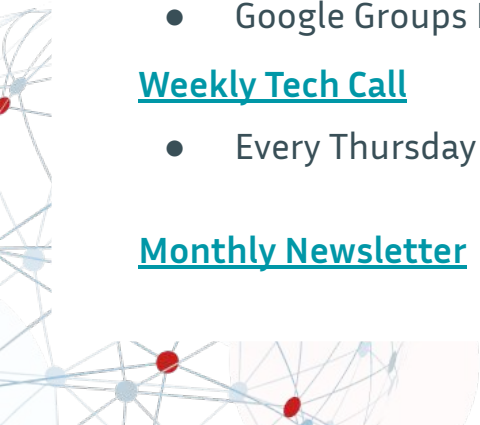
- [arran.griffith@lyrasis.org](mailto:arran.griffith@lyrasis.org)

Dan Field - Fedora Program Developer

- [dan.field@lyrasis.org](mailto:dan.field@lyrasis.org)

Visit the Fedora Website:

[www.fedorarepository.org](http://www.fedorarepository.org)



Thank You