

Fedora™

6.x Migration Work

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 **Lyrasis®**

Fedora™

- 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

Our Community

Celebrating 20 years since beta release of Fedora v1

Current version: Fedora 6.4

- Camel Toolbox (v 6.0.0)
- Migration Validator (v 1.2.0)
- Migration-utils (v 6.4.0)

State of the Community Today:

- ~300+ known installations around the world
- Wide range of institutional types, sizes & use cases
- Active Committer/Tech Team
- Technical and non-technical engagement opportunities
- Return to in-person conferences and events

Fedora users across the globe 389



Fedora 6.x

- Enhanced digital preservation capabilities via OCFL
- Robust migration tooling
- Built-in simple search
- Improved performance and scale from previous versions
- Metrics collection and reporting
- Camel Toolbox integration

Users on Fedora 6.x

Currently Using Fedora 6.x

- Berlin State Library
- Ludwig-Maximilians-Universität München
- Saxon Academy of Science and Humanities
- Slovenian Public Archival Service
- The Ohio State University
- University of Las Vegas Nevada
- Vassar College
- Villanova University
- Whitman College

Migrating to Fedora 6.x

- Texas A&M University
- The Open University, UK
- The National Library of Wales
- The National Library of Medicine
- Bodleian Libraries, Oxford University
- Emory University
- DocuTeam clients

Greenfield Fedora 6 Installations

- Institute of Archaeology of the CAS Prague
- Cambridge University
- University of Leeds

Current Migration Tools



Migration Toolkit

- Comprehensive instructional guide for migration
- Contains: step-by-step instructions, best practices, user stories, templates etc.

Migration-utils

- Utility for executing a direct migration from Fedora 3 to 6

Migration Validator


- Command line tool for validating that content was migrated correctly.

Pages / Fedora Repository Home / Grant Work Analytics

Fedora Migration Paths and Tools

Created by David Wilcox, last modified by Arran Griffith on May 08, 2023

Fedora Migration Paths and Tools: a Pilot Project was awarded \$249,859 from the Institute of Museum and Library Services (LG-246264-OLS-20) in 2020. The DuraSpace Community Supported Programs at LYRISIS will develop, pilot, and document migration tools and paths to upgrade the repository software Fedora 3, which is widely used but no longer supported, to Fedora 6. Hundreds of U.S. libraries and archives use Fedora 3 repository software to preserve and deliver scholarly, scientific, and cultural heritage resources and services to patrons, often including unique digital content. Continued community reliance on Fedora 3 puts the stability, security, accessibility, and functionality of these repositories at risk. The community identified migration tools and documentation during a planning project as important resources to support Fedora 3 upgrade and migration processes, which are necessary to sustain repositories that provide critical access to digital collections. Pilot migrations will be conducted and documented for two Fedora 3 repositories; a toolkit then will be shared through training programs to support broad community adoption.




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SERVICES

This project was made possible in part by the Institute of Museum and Library Services LG-246264-OLS-20. The Grant period ran from September 2020 and will conclude on February 28, 2023.

Any questions pertaining to the work completed as part of this grant can be sent to Arran Griffith - arran.griffith@lyrasis.org.

Project Pilot Partner Institutions



Project Resources

Here are some additional project resources (PDF will load in your browser or download depending on your browser settings):

- [Project Proposal \(PDF\)](#)

Video Resources

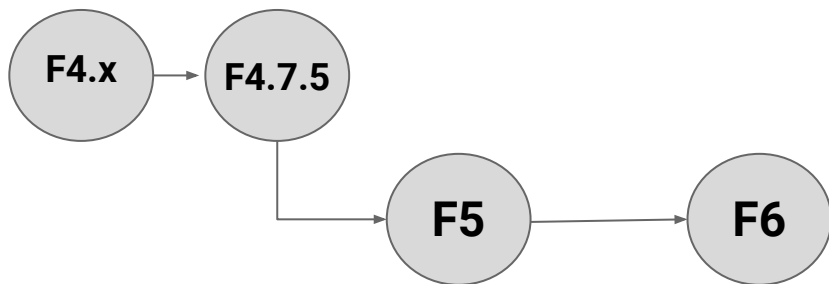
- [Fedora Migration Workshop: https://youtu.be/f0IE3QT9fPc](https://youtu.be/f0IE3QT9fPc)
- [Migration Validator: https://youtu.be/Jo9jUcb4JJE](https://youtu.be/Jo9jUcb4JJE)

Grant-Related Conference Resources

Migration Toolkit
Access the [Migration Toolkit](#) here.

Special Acknowledgements for contributions can be found [here](#).

Current Migration Tools



Fedora 4 to 6 Migrations require some extra steps:

- Due to the data structure and re-modelling done by ModeShape

Import/Export Tool

- Command line tool for exporting your Fedora repository to local disk

Upgrade Utility

- Command line tool for upgrading your Fedora repository to OCFL compliant Fedora 6

Hyrax Fedora 6 Working Group

Problem: No documented migration path to Hyrax 5 backed by Fedora 6 presently.

Objectives:

- Identify and complete any pre-work to determine the scope of development efforts required
- Determine what infrastructure is needed to engage in the scoped development
- Determine the scope of development
- Create a high-level outline for the development work

Progress & Next Steps:

- Gathered stakeholder use cases in a matrix for comparison
- Sharing use cases with broader community for feedback (coming soon)
- Understanding considerations needed for greenfield Hyrax/Fedora 6 installations, Fedora 3 migrated installations, Fedora 4 migrated installations

Thank You

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Resources

Download the latest version of Fedora

- <https://github.com/fcrepo/fcrepo>

Fedora Documentation

- <https://wiki.lyrasis.org/display/FF/Documentation>

Fedora Migration Tools:

- Migration Toolkit:
<https://wiki.lyrasis.org/display/FF/Fedora+Migration+Paths+and+Tools>
- Migration-utils (Fedora 3 - 6 migrations):
<https://github.com/fcrepo-exts/migration-utils>
- Migration Validator:
<https://github.com/fcrepo-exts/fcrepo-migration-validator>
- Import/Export Tool:
<https://github.com/fcrepo-exts/fcrepo-import-export>
- Upgrade Utility: <https://github.com/fcrepo-exts/fcrepo-upgrade-utils>

Get involved in the community:

- [Slack](#)
 - #tech, #migration, #general
- [Listservs](#)
- Email
 - Dan Field (Fedora Program Developer) - dan.field@lyrasis.org
 - Arran Griffith (Program Manager) - arran.griffith@lyrasis.org

Fedora Wiki:

<https://wiki.lyrasis.org/display/FF/Fedora+Repository+Home>