IMLS Grant Update
Fedora Migration Paths and Tools: A Pilot Project

Goals:
To develop, pilot, and document migration tools and paths to upgrade the repository software Fedora 3 to Fedora 6.
- LG-246264-OLS-20
- $249,859 IMLS Funded grant over 18 months
✓ All roads to 6.0 are open

Timeline:
Phase I - Pilot Migrations (Sept 2020 - Aug 2021)
- Define project plans for each pilot institution
- Document the migration and upgrade process
- Detail metadata mapping and decision making
- Test migrations

Phase II - Validating & Improving the Toolkit (Sept 2020 - Dec 2021)
- Consolidate toolkit materials
- Test and iterate tooling
- Develop training materials

Phase III - Migration Training Workshop (Jan 2022 - present)
- Distribute migration toolkit for community feedback

Lessons Learned:
- Edit/remEDIATE metadata & collection structure before migration if at all possible
- Build quality control into all stages of the migration
- A checklist for metadata and object preparation can significantly reduce errors and streamline the process
- Using a checklist of object-level, collection-level, and search/facet expectations to be met during the migration helps to identify any issues early in the process
- Comparative data from record views and searches in a previous system can help identify issues
- When possible, establish automated, system-wide checks for issues like failed derivative generation, rather than spot-checking
- Clear communication and documentation always help the project advance

Tools:
- Migration-utils: A framework to support migration of data from Fedora 3 to 6 repositories.
  https://github.com/fcrepo-exts/migration-utils
- Migration Validator: A command-line tool for validating migrations of Fedora 3 datasets to Fedora 6.
  https://github.com/fcrepo-exts/fcrepo-migration-validator

Helpful Links:
- https://wiki.lyrasis.org/display/FF/Fedora+Migration+Paths+and+Tools
- https://wiki.lyrasis.org/display/FEDORAM6M0P0/Migrate+to+Fedora+6

Partners:

Fedora
https://duraspace.org/fedora/
Fedora 3 + Islandora 7
Fedora 6 + Islandora 2.0

Whitman College
https://www.whitman.edu
Fedora 3 + custom front end
Fedora 6 + custom front end

University of Virginia
https://www.virginia.edu

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