

A Vision for



Hyrax

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Outline

- What is Hyrax, and where did it come from?
- What work has been done on Hyrax since Hydra Connect '16?
- What's the current state of Hyrax development?
- How is Hyrax being tested/QAed?
- What are our goals and what is the roadmap for Hyrax?
- How can we get involved?



What is Hyrax?



Where did Hyrax come from?



What does Hyrax do?



Features - http://bit.ly/hyrax_features

- Upload files and folders
- Describe works with (vocab-backed) metadata
- Derivative generation
- Characterization of files
- Full-text extraction
- Virus scanning
- **Internationalized UI (7 languages)**
- Create new/restore old versions
- Batch upload / batch editing
- Faceted search and browse
- **Role-sensitive user dashboard**
- Google Analytics support
- User profiles
- **Tweak UI colors via UI**
- Realtime user notifications
- Single-use links for private works
- Configurable workflows (e.g., mediated deposit)
- Toggle features on/off in UI
- Reporting/metrics in UI
- Proxy deposit
- Contact form
- User-defined, nestable object types
- **ResourceSync API**
- ...



What's been done since HC2016?



Releases



Features



Documentation

<http://samvera.github.io/>



Release Testing



THANK YOU!

- Alicia Cozine, Data Curation Experts
- Sherry Lake, University of Virginia
- Steve Van Tuyl, Oregon State University
- Chris Diaz, Northwestern University
- Harsh Parekh, University of Notre Dame
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- Jenn Colt, Cornell University
- Moira Downey, Duke University
- Kate Russell, University of Notre Dame
- Tracy MacMath, Yale University



#repo-managers

Testing Subgroup

- Sherry Lake, University of Virginia
- Steve Van Tuyl, Oregon State University
- Chris Diaz, Northwestern University
- Harsh Parekh, University of Notre Dame
- Julie Rudder, University of North Carolina at Chapel Hill



- Formalize and document the release testing process
- Help ensure Hyrax is well tested and documented in a systematic way
- Create a set of shared tools and resources to support testing



Creating a shared testing site: Nurax



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Featured Works

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Jumping spider

gamontoya@ucsd.edu

no resource specified

[Jumping](#), [Arachnids](#), [Spiders](#)



New 1st Work

shlakeuva@gmail.com

no resource specified

[socks](#)

Explore Collections

[Featured Researcher](#)



[Center for Testing conference proceedings](#)



[test collection for fun!](#)



[Chrome Windows test collection](#)

Benefits

- Lowers barrier of entry for testers
- “local vs a real hyrax issue”.
- Default github repo for reference



Creating a testing spreadsheet



Samvera_Testing_for_Hyrax_2.0.0_beta4

julierudder@gmail.com

File Edit View Insert Format Data Tools Add-ons Help Last edit was made on 17 October by anonymous

Comments



100% \$ % .0 .00 123 Calibri 11 B I S A

Use case number

	A	B	C	D	E	F	G	
1	Use case number	Use case title	Acceptance Criteria	Chrome Windows	Chrome Mac	Firefox Windows	Safari Mac	Bug n scena Pleas
2	THIS TEST IS FOR ADMIN USER							
3	AS_1.1	Administrative Sets	As Admin User *Can navigate to Dashboards: Admin Sets	Pass	Pass	Pass	Pass	
4	AS_1.2	Create new admin set	Under Dashboard: Administrative Sets *Click Create new administrative set *Give Title and Summary *Upon Save, see Participants, Release and Vis, Workflow Tabs	Pass	Pass	Pass	Pass	
5	AS_1.3	Edit admin set	Under Dashboard: Administrative Sets *See list of new Admin set *Can click on new Admin Set *Can Edit each tab	Pass	Pass	Pass	Pass	
6	AS_1.4	Add thumbnail	Under Dashboard: Administrative Sets: Edit an admin set *Can select image (from works already in repo) *Can see image on admin set	Pass	Fail	Pass	Fail	https
7			To test: Add 3 accounts (fake emails work) Under Dashboard: Administrative Sets: Edit an admin set: Participants *Can add single existing users under as: Managers, Depositors, Viewers *Users can Manager, Deposit, View the admin set					

+ User Dashboard Works 1 Collections 1 Visibility and Release 1 Admin Sets and Workflows 1 Repository Adminis

Explore

Benefits

- Knowing what was tested at each stage of the release
- Lower barrier of entry for testers
- More people with deeper knowledge of the features



Some challenges and questions:

- Browsers and platforms to test/support?
- Automate?
- Test everything each release?
- When and how do we test for accessibility? UX?



Results of testing

- Between beta1 and current master (5 beta, 2 rc releases)
 - 174 commits
 - 256 files changed
 - 23 contributors



Reflections

- Scratched the surface on supporting accessibility and ux testing.
- More help with key roles for each release.
- Checklist for what new features need to do.
- Community among repo-managers.



Roadmap? Goals?



Community goals for Hyrax development

- ***Collection Extensions*** - nearly complete, planned for Hyrax 2.1 release (late 2017)
- ***Analytics, reporting, and related notifications*** - community effort planning for early 2018
- ***Accessibility modifications and enhancements*** - address the backlog of accessibility issues in Hyrax and inform the testing process to include more robust and regular accessibility testing
- ***Group and responsibility management*** - re-architect groups and responsibilities to improve clarity of function
- ***Enhanced batch edit interface*** - build out batch edit functionality to meet the needs, specifically, of digital collections-based repository implementations (UI mock-ups are available)
- ***Implementing remaining UI mockups*** - address the backlog of UI mockups in Hyrax and Hyku and backport any Hyku UI features that are valuable in Hyrax
- ***Bulk import/export*** - Allow bulk ingest and export of content from Hyrax using both command line and user interfaces
- ***Valkyrie support*** - support flexible back-ends



Community goals for Hyrax Process

- Further improvements release/feature testing
- More community involvement w/ ongoing development
- Slower, stabler, steadier releases
- Clarify the long term vision for Hyrax
 - A solution bundle that accommodates use cases from both IR and digital collections contexts
 - Setting boundaries on what that means (help wanted!)
- Expanding roles to better distribute workload
- Finding Hyrax's place in a new governance structure



How can we get involved?



Acknowledgements



Questions?

<http://hyr.ax/>

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