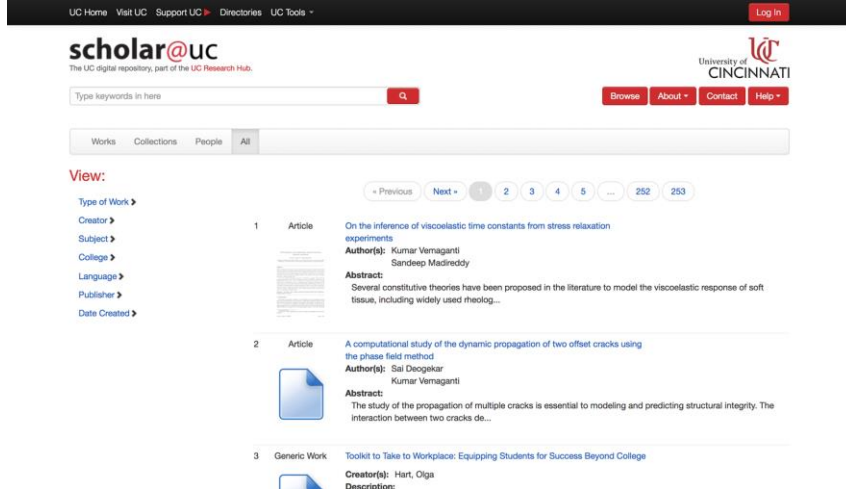


Our Journey from Sufia 7 to Hyrax

Glen Horton & Thomas Scherz
University of Cincinnati Libraries

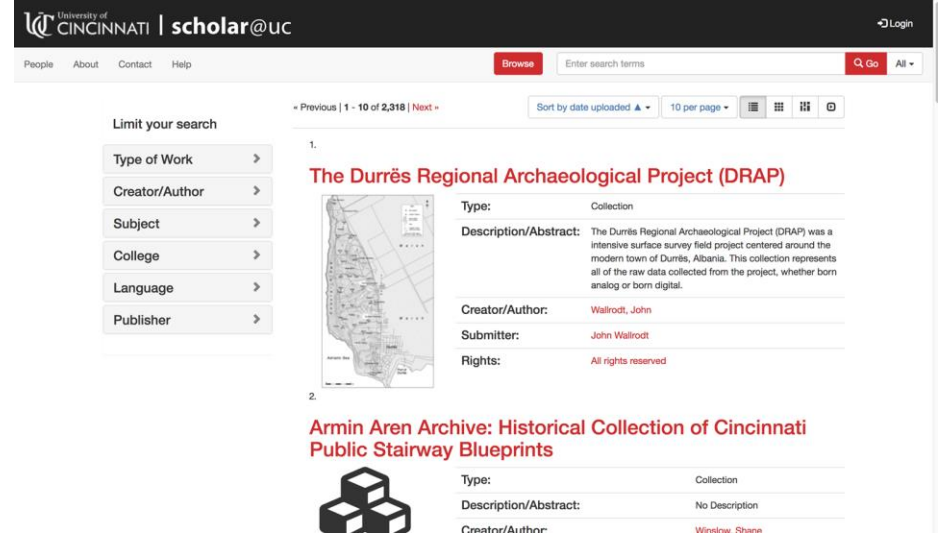


Scholar@UC



The screenshot shows the Scholar@UC 2.x interface. At the top, there is a navigation bar with links: UC Home, Visit UC, Support UC, Directories, UC Tools, and a Log In button. Below this is the Scholar@UC logo and the University of Cincinnati logo. A search bar is present with the text "Type keywords in here" and a search button. Below the search bar are tabs for Works, Collections, People, and All. On the left, there is a "View:" section with a list of filters: Type of Work, Creator, Subject, College, Language, Publisher, and Date Created. The main content area displays a list of three items. Item 1 is an Article titled "On the inference of viscoelastic time constants from stress relaxation experiments" by Kumar Vemaganti and Sandeep Madreddy. Item 2 is an Article titled "A computational study of the dynamic propagation of two offset cracks using the phase field method" by Sai Deogekar and Kumar Vemaganti. Item 3 is a Generic Work titled "Toolkit to Take to Workplace: Equipping Students for Success Beyond College" by Hart, Olga. The interface is clean and functional, with a clear layout for searching and viewing research outputs.

Scholar@UC 2.x - Curate



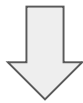
The screenshot shows the Scholar@UC 3.0 interface. At the top, there is a navigation bar with links: People, About, Contact, Help, a Browse button, a search bar with the text "Enter search terms", a search button, and a Log In button. Below this is the Scholar@UC logo and the University of Cincinnati logo. The main content area displays a list of two items. Item 1 is a Collection titled "The Durrës Regional Archaeological Project (DRAP)" by Walrodt, John. It includes a description/abstract: "The Durrës Regional Archaeological Project (DRAP) was a intensive surface survey field project centered around the modern town of Durrës, Albania. This collection represents all of the raw data collected from the project, whether born analog or born digital." Item 2 is a Collection titled "Armin Aren Archive: Historical Collection of Cincinnati Public Stairway Blueprints" by Winslow, Rhana. It includes a description/abstract: "No Description". The interface is more modern and visually appealing than the 2.x version, with a clear layout for searching and viewing research outputs.

Scholar@UC 3.0 - Hyrax 1.x

Stages of Migration

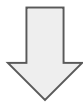
Scholar@UC 2.x (Curate)

Stage 1



Scholar@UC 3.0 beta (Sufia 7.x)

Stage 2



Scholar@UC 3.0 (Hyrax 1.0)

Release Notes

We started with the release notes for Hyrax 1.0.1

<https://github.com/samvera/hyrax/releases/tag/v1.0.1>

Replace initializers

Namespace changes

Routes

Migrations

Workflows



Ruby and Rails Upgrade

Rails 4 → 5 Upgrade

- Most of the process is automated:

http://guides.rubyonrails.org/upgrading_ruby_on_rails.html

Ruby 2.1 → 2.4



Blocker : Problem Gems

Three of our gems were not compatible with Rails 5:

1. orcid
2. devise-multi_auth
3. hydra-remote_identifier

We disabled these gems to continue our migration.
Eventually updating them in our forked repositories and made reference to our solutions in the community gems.



Find / Replace in our Application Code

Due to the consolidation of Sufia and CurationConcerns into Hyrax, we needed to do mass text changes on our application code for both terms

sufia → hyrax
(most of the time)

curation_concerns → hyrax

Sufia → Hyrax

CurationConcerns → Hyrax

Rename files and directories



24 ■■■■ app/forms/curation_concerns/article_form.rb → app/forms/hyrax/article_form.rb

```
...    @@ -1,8 +1,8 @@
```

```
1      1      # frozen_string_literal: true
```

```
2      2      # Generated via
```

```
3      -# `rails generate curation_concerns:work Article`
```

```
4      -module CurationConcerns
```

```
5      -  class ArticleForm < Sufia::Forms::WorkForm
```

```
3      +# `rails generate hyrax:work Article`
```

```
4      +module Hyrax
```

```
5      +  class ArticleForm < Hyrax::Forms::WorkForm
```

```
6          self.model_class = ::Article
```

```
7      7
```

```
8      8      ## Adding custom descriptive metadata terms
```


Feature Migrations / Overrides

Features that needed to migrated:

- Universal Viewer - IIIF Manifest Support
- DOI's
- E-mail Notifications
- ORCID Integration

It helps if you mark the beginnings and ends of your overrides in controllers, models, views, etc.



Fix Tests

Time to run the tests!

We had 464 failing test in our application code.

- Attacked each failure individually
- Split up the work

Good test coverage is important!



Other Tweaks Needed

Travis config

New Rubocop violations

Locales

.gitconfig

README



Hyrax Migration Commit Summary

76 commits (not squashed)

Prefixed all commits with “Hyrax Migration:”

All commits:

<http://bit.ly/2zeZ6t7>



Hyrax Migration Pull Request Summary

420 changed/new files

https://github.com/uclibs/scholar_uc/pull/1393/files



Questions?