Samvera Developer Training Workshops 2023

SoftServ invites Samvera Community developers to our Developer Training Workshop series taking place in Fall 2023. The goal of the series is to provide a path for institutions to train up new developers in the Hyku/Hyrax/Samvera space and enable them to be more self-reliant. This will also benefit the community at large by equipping more developers with the skill sets to support the technology and sustain the community.

Concept

The 10-session workshop series will focus on Samvera-specific skills, with content determined in consultation with SoftServ Samvera developers and other community members. Classes will be virtual, and the format will be demos and instruction provided by a developer experienced in that topic, followed by related hands-on workshop exercises. Attendees will work in pairs to solve issues and learn collaboratively, though the instructor and/or other developers will be available for questions, blockers, and review. Two follow-up office hours will be scheduled following each session, giving attendees an opportunity to follow up with questions after spending time back in their own institution's code base. Workshops will utilize the Hyku code base, which is built on Hyrax.

Prerequisites

- Participants should already have some experience as a Rails developer, or be an experienced developer who is in the process of learning Rails. (Email us if you have questions about your experience level or would like some Rails course recommendations.)

- Watch "Samvera 101" presentation before the courses (https://www.youtube.com/watch?v=b376STHt4gE)

Preliminary Schedule for Ten-Session Workshop Series

The workshop will span 11 weeks, including a weeklong break in October during Samvera Connect.

Spinning Up a Samvera Application - Wed, Sept 6, 2023

- Instructor: Summer Cook
- Development environment, basic docker, environment variables, etc.

Work Types - Wed, Sept 13, 2023

- Instructor: Shana Moore
- Creating and customizing work types
- Managing collection metadata

Customizing Search and Facets - Wed, Sept 20, 2023

- Instructor: Kait Sewell
- Customize metadata display, indexing, custom facets.
- Solr, Solr dashboard, writing Solr queries

Theming and UI Development in Samvera - Wed, Sept 27, 2023

- Instructor: Lea Ann Bradford
- Customize a theme and add a new theme

Bulkrax Intro - Wed, Oct 4, 2023

- Instructor: Alisha Evans
- Bulkrax with csv
- Custom mapping and error resolution

Testing - Wed, Oct 11, 2023

- Instructors: Kait Sewell and Jeremy Friesen
- Test suites and running tests
- Rubocop Linting

Samvera Maintenance - Wed, Oct 18, 2023

- Instructor: Rob Kaufman
- Managing security updates and other upgrades

Installing and Configuring Gems Part I: DOI & OAI - Wed, Nov 1, 2023

- Instructor: LaRita Robinson
- We'll explore two common gems:
  - hyrax-doi, the Hyrax plugin for working with DOIs (model attributes, minting, and fetching descriptive metadata) via integration with DataCite
  - blacklight_oai_provider plugin, which uses a ruby gem to set up and configure OAI

Development Best Practices - Wed, Nov 8, 2023

- Instructor: Jeremy Friesen
- Overrides, common bugs, and development processes that are specific to Samvera applications

Deploying to AWS - Wed, Nov 15, 2023

- Instructors: April Rieger and Rob Kaufman
- Helm charts
- Updating environment variables for staging and production

Pricing

Series Cost (10 Sessions): $6995
Individual Session Cost: $800

In order to make the workshops sustainable, we will require a minimum enrollment of 6 developers. Currently, we are offering the full series only, but may open registration for individual sessions once we reach the threshold. If you are interested in individual sessions, please sign up now - there is a space in the sign up form to indicate your preferences. We will follow up directly with those individuals.

Sign Up!

Sign up at https://forms.gle/hZQqedrw6dGpxpfw7
If you have any questions, or want to express interest without signing up,
please email Kevin Kochanski at kevinkochanski@scientist.com