

# Samvera Data Mapper Working Group

## Scope & Objectives

This group will work towards generating a Minimum Viable Product (MVP) repository solution which enables the use of multiple disparate storage backends for both files and metadata using the [Data Mapper pattern](#), as a proof-of-concept for improving the flexibility of the Samvera architecture. In doing so, it will broaden the potential adoption base and provide the ability to compare pros/cons of various configurations for each institution. This group will attempt a solution which:

- 1) Enables persistence of metadata into at least two different backends (one being Fedora.)
- 2) Enables persistence of binary resources (files) into at least two different backends (one being Fedora.)
- 3) Reduces the dependence of Samvera's front-end on inter-community gems, preferring solutions with a larger adoption.
- 4) Provides a suite of tests for creating further backends without altering the front-end business logic.

Assuming success, the group will build a list of strategies for implementing this code in the core Samvera infrastructure.

## Deliverables & Timeframe

1. Generate an MVP repository which can persist to two or more backends.
  1. Agree upon a representative set of features necessary for confidence that this strategy will work in the core of Samvera.
  2. Participate in scheduled week-long development efforts for development.
  3. Recognize and document differences between persistence backends and the impact of use cases on our requirements for each.
2. On Success
  1. Generate a document of recommendations on how to implement the code in the core of the Samvera stack.
  2. Found here: [Hyrax Implementation Recommendations](#)
3. On Failure
  1. Generate documentation on what failed, why, and potential next steps.

The group can begin in early May 2017. The group will be sunset by November 2017, with a report during Samvera Connect.

## Meeting Times & Communication Channels

- Meetings: Every Thursday at 11:00 AM PST. Hangout link: [https://hangouts.google.com/hangouts/\\_/event/cvo9a7tp415gnra6o1sahrobp3k?hl=en&authuser=0](https://hangouts.google.com/hangouts/_/event/cvo9a7tp415gnra6o1sahrobp3k?hl=en&authuser=0)
- Meetings, meeting minutes, deliverables, and milestones will be announced on [samvera-partners@googlegroups.com](mailto:samvera-partners@googlegroups.com), [samvera-community@googlegroups.com](mailto:samvera-community@googlegroups.com), and [samvera-tech@googlegroups.com](mailto:samvera-tech@googlegroups.com).
- Until such time as it's determined that a dedicated channel should be created, communication will occur in the #dev channel of the Project Hydra Slack.
- Code will be committed to <https://github.com/samvera-labs/valkyrie>

## Members

Note that to be a member of a Working Group, you must have a CLA in place if you are committing code and you must consent to release documentation under a [Creative Commons Attribution-Share Alike 3.0 Unported License](#).

- *Trey Pendragon, facilitator (Princeton University Library)*
- *Chris Beer (Stanford University Libraries)*
- *Stuart Kenny (Trinity College Dublin)*
- *Christina Harlow (Cornell / Stanford University Libraries)*
- *Brendan Quinn (Northwestern University Libraries)*
- *Carrick Rogers (Northwestern University Libraries)*
- *Chris Syversen (Northwestern University Libraries)*
- *Noah Botimer (University of Michigan)*
- *Joe Atzberger (Stanford)*
- *James R. Griffin III (Princeton University Library)*
- *your name here (your institution here)*
- *(No limit, if full please add to bottom.)*

## Community Sprint Reports

- July 2017 Community Sprint

#### Resources

- <https://github.com/samvera-labs/valkyrie>
- <https://github.com/samvera-labs/valkyrie/wiki/Frequently-Asked-Questions>
- Hyrax Implementation Recommendations
- Data Mapper Working Group Retrospective

## Meeting Notes

1. Running Notes: <https://docs.google.com/document/d/1BeKVY5t5vrX7JNuDSMJz1MpEz09Poe0X1h02Y1gUFAG/edit>