Machine-readable Metadata Modeling Specification (M3) Working Group

Scope & Objectives

There have been a number of projects, discussions, and brainstorming around better ways to define, document, and use metadata models. This working group will develop a draft specification for a machine-readable format for metadata modeling, which can be used to generate human/user-facing documentation, batch data entry templates, and define system functionality (and maybe more!)

Potential benefits include:

- Automating creation and maintenance of in-sync, up-to-date human-readable documentation and batch data entry templates
- Enable development of code/gems/microservices which are not tied to specific institutional metadata models and are thus easier to reuse
- Facilitate sharing and reuse of metadata models
- Support formal releases and versioning of metadata models
- Enable development of more flexible infrastructure through abstraction of metadata
- With supporting infrastructure, simplify the process for adding new metadata elements or changing metadata based configuration settings, reducing work required and opportunities for errors

Work on an initial draft specification is in the Houndstooth repository and is based on Scooby Snacks and Dog Biscuits

Other related community work:
- Hyrax Batch Import-Export Specification
- Hyrax 2.0 metadata application profile development

Deliverables & Timeframe

Deliverables

1. Develop a data dictionary for meta-metadata properties to enable documentation generation and code configuration.
2. Define format agnostic structure and syntax requirements.
3. Identify candidate serializations and file formats (yml, csv, json, etc.) and any specific format requirements.
4. Create example data dictionaries using the specification.
5. Identify future work opportunities.

Timeline

Work will run for approximately two to three months, starting in early 2019.

Final Report

Meeting Times & Communication Channels

Weekly meeting - Updated meeting time - starting June 5, 2019

- Wednesdays 10:00-10:30am PST/1:30-1:30pm EST/ 6:30-6:30pm GMT
- Zoom meeting link https://ucsd.zoom.us/j/188825841

Members

This working group needs both developers and metadata experts!

Note that Working Groups must have participants from three different Partners. All members of a working group producing software must be licensed Samvera contributors covered by the appropriate CLAs. Other types of contributions such as requirements, design, best practices, documentation, etc. do not require CLAs but participants should accept that the materials to which they contribute may be released under a Creative Commons Attribution 4.0 International License.

- Chrissy Rissmeyer, co-facilitator (UC Santa Barbara)
- Arwen Hutt, co-facilitator (UC San Diego)
- Alexandra Dunn (UC Santa Barbara)
- Jennifer Young (Northwestern)
- Jason Partridge (Oxford)
- Sarah Barkla (Oxford)
- Julie Allinson (Co-Sector)
- Randall Floyd (Indiana)
- Julie Hardesty (Indiana)
- Daniel Pierce (Indiana)
- Ryan E. Johnson (UC San Diego)
- Anna Goslen (UNC Chapel Hill)
- Adam Wead (Penn State)
- Ruth K Tillman (Penn State)
- LaRita Robinson (Notre Dame)
- Ned Henry (UC Santa Cruz)
- Aaron Neslin (WPI)
- Jenn Colt (Cornell)
- Claudia Horning (UCLA)
- Arcadia Falcone (Stanford)
- Cara Key (Oregon State University)
- Alexander B May (Tufts University)
- Annamarie Klose (Ohio State University)

Resources
- Houndstooth
- Scooby Snacks
- Dog Biscuits
- Oxford University Research Archive (ORA) data model

Meeting Notes
- list of links
- or table of meeting notes