

ArchReviewNotesThur1

DSpace Architectural Review

Notes from Thursday, 26 Oct 2006 (JSE)

I. Review of Agenda

1. Data Model Revisit (aggregation, etc)
2. Concrete data model and storage
3. Larry Stone: History, Provenance, Audit
4. Etc...

II. Abstract Data Model Revisit (Rob)

- summary: fixing the "bundle" system
 - See RJ notes

See diagrams of Rob's draft proposals

- version 1
- version 2 (typed)
- version 3 (typed)

Richard Rogers proposal

- "strawman 2"

(MS) Observation: Rob's makes more explicit how maps to FRBR

- whereas RR's more RDF- (or Fedora)-like

Need to test proposals against **concrete examples**

- See wiki, [Data Model Use Cases](#)
- See wiki, [Asset Store Use Cases](#) (older)

Problem with "Museum"-like repositories

- e.g. in which there are many representations of a "work"
- like many photos of a physical object
- (ms) [FRBR](#) vs [VRA](#)

(jse) Separate data abstraction from application

- (md) jsr-170 node/property model
- (rj) let's be clear on what we need to worry about; this talk of nodes/properties is implementation...

RECOMMENDATION: (draft) Adopt Rob's Item/Representation/File (with Metadata for each)

- ...and publish application note/"best practices" on meanings
- change: Bundle to Representation...
- change: Bitstream to File...

Example: "submitting a pdf with some metadata and a license"

***item** is an article + descriptive metadata

***manifestation** is a pdf

***file** is a pdf

problem in linking-in files as metadata

LUNCH

III. History, Provenance, Audit

Overview of Larry Stone's stuff by RR

- See Larry Stone's [Event System prototype](#)
- ...and [DSpace Event Mechanism](#)

1. Event Mechanism

2. History needs to be based on logical events (transactions) not DB events

3.