Open Archives Work at Virginia Tech

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OAi - Related Projects

- Computer Science Teaching Center
- Web Characterization Repository
- VT-ETD
- USMARC XML/DTD
- NDLTD / MARIAN
- Repository Explorer
- Perl/Java Dienst subset implementation
Organizational Issues

- No specific responsibilities for sections of OAi
- No public forum
- Inconsistency in versions of specifications
- Proposal:
  - More well-defined management of the OAi may avoid many organizational/technical problems
Technical Issues - I

- Partition Specifications
  - all nodes in partition name?
  - two separators?
  - overlapping?

- Updates / Deletions
  - re-send updates?
  - how do we handle deletions?
Technical Issues - II

- Namespaces
  - oams vs OAMS
  - `<oams:author>` vs `<author>`
  - duplicates with different ids?
- Versioning
  - simpler version numbers for protocol?
  - internal metadata version number?
Technical Issues - III

- Listings
  - to-date ?
  - count of records ?
  - lack of locking mechanism ?

- Character Sets / Markup
  - SGML character sets in XML ?
  - ISO 8879 vs Unicode ?
  - HTML for abstract formatting ?
Technical Issues - IV

• Special Collections
  – WCR, CSTC, VTETD - is OAMS appropriate?
  – name/value pairs for metadata?
  – bibliographies?

• Dienst
  – fixed vs named parameters?
  – entities in some URLs
  – Verb to get info. on archive eg. separator
Technical Issues - V

• Data Cleaning
  – how much?
  – whitespace in generated XML