



netarchive.dk

The Bitarchive and bit preservation

Design discussion

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Outline

- Bitarchive security
- Bitpreservation
- Batch

Bitarchive Security

- ❑ Read relevant parts of security trail
<http://java.sun.com/docs/books/tutorial/secu>
- ❑ Define relevant rules for bitarchive security
- ❑ Make policy file (text or using policytool)
- ❑ Update deploy to start bitarchives with security enabled

Bitpreservation

- Replace FilePreserveStatus and friends with database
 - design database
 - also remember historic info in DB
 - should admin.data be replaced with DB as well?
 - Extend FilePreserveStatus with segment information
 - Update bitarchives with segment information
 - Extend FileListJob/ChecksumJob with segment
 - Extend the database to store this
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Bitpreservation

- Update batch jobs with possibility to run on segment
 - Only process URLs in specific segments given to batch job
- Design and introduce scheduler for bitarchive
 - Inspiration from HarvestDefinition
 - Includes scheduling webinterface
 - Includes PreservationJobDefinition
 - Can we reuse schedules?

Bitpreservation

- Design webinterface like example
 - Need update of preservation actions to simpler situation
 - Action pages should be designed (have example)
 - Need batch update of missing files

Batch

- We need a batch method that loads a given class-file which implements FileBatchJob, and submits it to the bitarchives
 - Introduction of a new batch class to do this
 - Update of webinterface with possibility to submit batch job class
 - Have proof-of-concept implementation