

Building Illinois Electronic Documents Access

August 2009



Illinois State Library
in Partnership with the
Graduate School of Library and Information Science
at the University of Illinois, Urbana-Champaign

Legal Basis

- Amended law & administrative rules
 - State Library Act (15 ILCS 320/21) assigns the library responsibility for making agency information Web accessible.
 - 23 Illinois Administrative Code 3020.110 sets procedures for agency compliance.



Administrative Code

Section 3020.110a

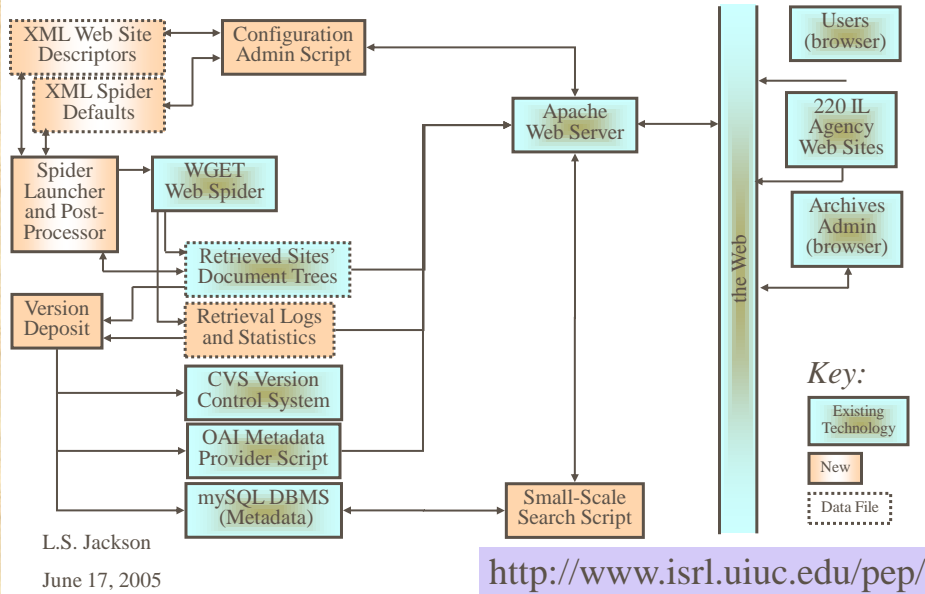
- Requires State Agencies to submit:
 - 40 copies of all publications, priced and non-priced. If very few copies are printed, 3 instead of 40 is acceptable.
 - Printed publications, publications distributed on a magnetic or optical medium or other tangible format are included.
 - Include agency contact name, address, and phone number.

Administrative Code

Section 3020.110 b. &c.

- Require State Agencies to submit:
 - A URL for any online publication with metadata.
- OR**
- One electronic version of all published materials with metadata

CEP High-Level System Architecture Diagram



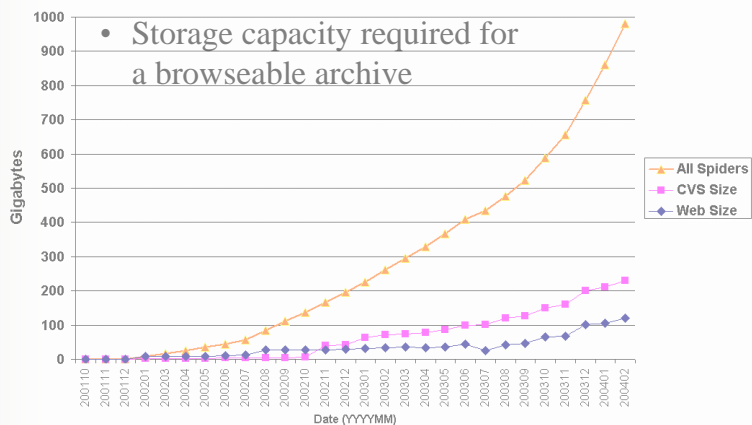
Software Foundation

- Standards-based and mature open-source modified by Larry Jackson
 - XML
 - WGET spider
 - CVS version control
 - Apache Web server
 - Swish-E search



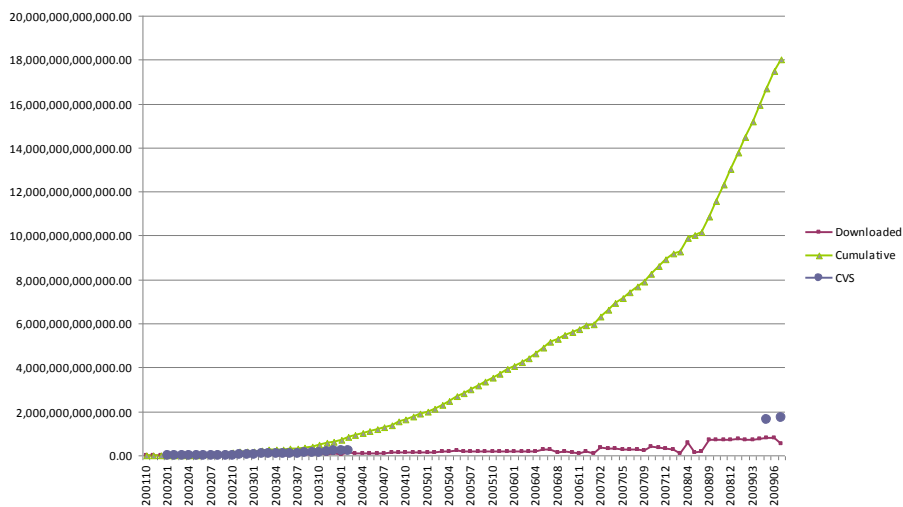
Illinois Web Archival Without CVS

(capacity required for a browsable archive)



L.S. Jackson
30 March 2004

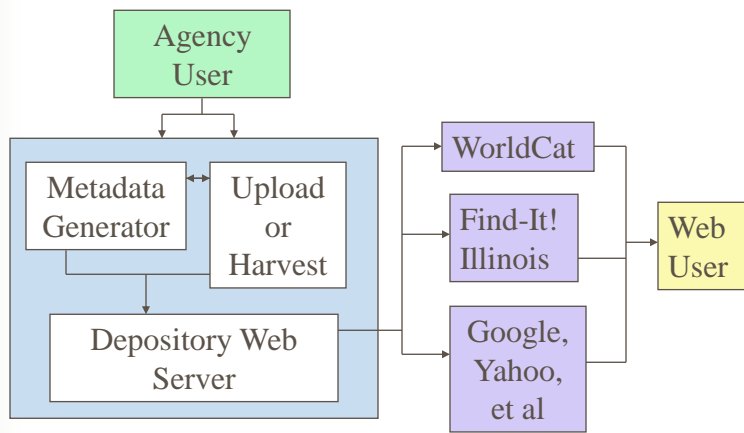
Storage in Bytes



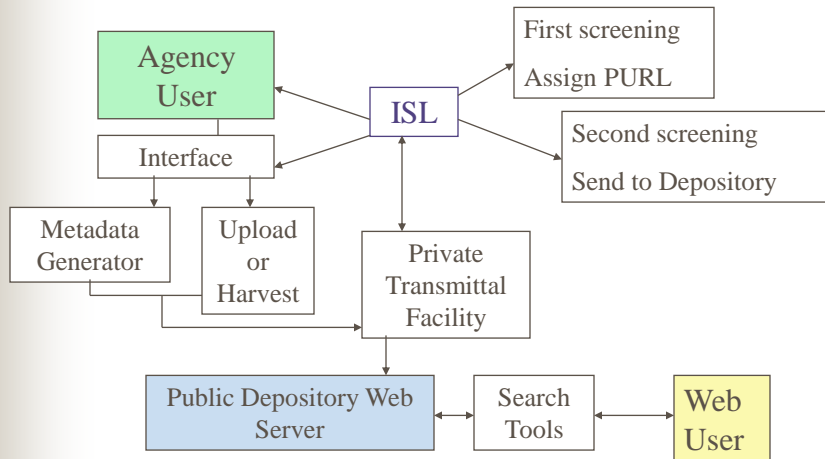
Electronic Documents of Illinois

- Permanent Public Access
- Analyzed as a Trusted Digital Repository
- Practical application
 - Metadata needed for management
 - Metadata for retrieval
 - Outreach to creators

EDI Distributed Architecture External View



EDI Distributed Architecture



Batch Ingest

- Data dump from Department of Revenue
 - Required programming to crosswalk to our metadata.
 - No updates
- Spreadsheets from Property Tax Appeal Board
 - Processing is a year behind
 - About 1000 per month

Illinois General Assembly Data

Began:

- Online ftp://12.43.67.2/
 - Back to 93rd GA, 2003
 - Available for FTP
- No authentication
- Backup tapes at the Archives
- Experimental harvests

Working toward:

- Cooperation to understand database
- Authentication
- Backups outside Springfield
- Automated

Document “Access Surrogate”

- Provides State-GILS-format metadata to the Find-It! Illinois search engine for all file types.
- Visible metadata
 - Version awareness for users
 - Re-states metadata for non-metadata search engines (e.g., Google)
- Incorporates MARC, HTTP wrapper data, mined or inferred metadata.

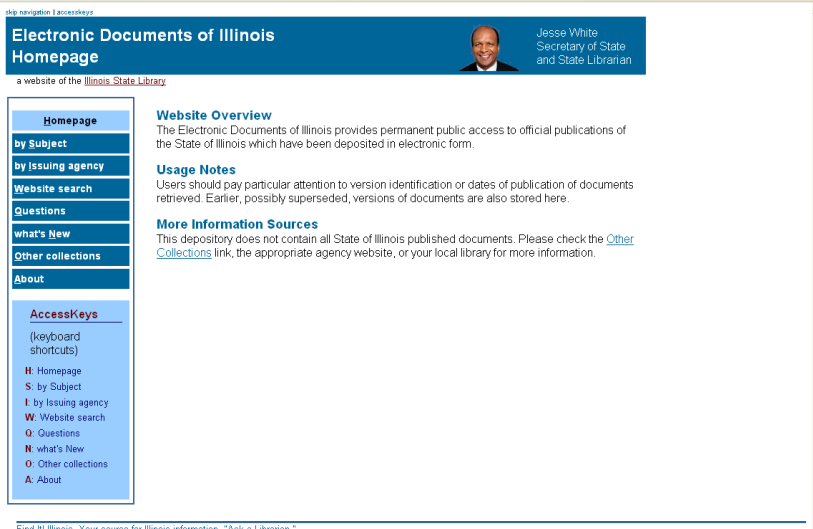
The screenshot shows a web browser window displaying the 'Illinois Electronic Documents Initiative Publication Descriptor Page'. The page has a blue header with the title and a photo of Jesse White, Secretary of State and State Librarian. Below the header, there are several sections: 'Document Identification' with fields for Title and Organization; 'Access this Publication' with a link to connect to the document; 'Description' with a brief overview; 'Contact' with the Illinois State Board of Elections' address, phone, and fax; and 'Document Descriptive Information' with a 'Subject Classification' list. The list includes 'Government', 'Voting and elections', and several sub-topics under 'Voting and elections' such as 'Election issues', 'Candidates', 'Election laws', 'Election manuals', 'Election results', 'Initiatives (elections)', and 'Referenda'. The URL in the browser address bar is 'http://ftp.ilsos.gov/CurrentPublications/00002.htm'.

Fully Accessible Website

- Keyboard-only navigation possible
- With text-to-speech software, shut off your monitor!
- Compliant with both federal and state accessibility regulations



Keyword Search



Hardware

- 3 new Sun Linux servers purchased in 2008; about 3TB each
- Located at the ICN POP in Champaign
- Server administration & back ups by CITES

The Future

- Less staff—at ISL and agencies
- Less funding
- More digital content
- Need to articulate our business case



Contacts

Anne Craig, Director
Acraig@ilsos.net

Suzanne Schriar, Assoc.
Director, Automation &
Technology
Sschriar@ilsos.net

Kathleen Bloomberg, Assoc.
Director, Operations
Kbloomberg@ilsos.net

Joe Natale, Executive
Assistant to the Director
Jnatale@ilsos.net

Connie Frankenfeld, Digital
Programs Librarian
Cfrankenfeld@ilsos.net

Andrew Bullen, Information
Technology Coordinator
Abullen@ilsos.net

Larry Jackson, Senior
Research Scientist UIUC
Lsjackso@uiuc.edu

