
Sakaibrary: Integrating Licensed Library Resources with Sakai

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Steve Smail
Mark Notess

Topics

- Sakaibrary project overview
- Sakaibrary phase 1 demo
- Fall 2006 user test results
- Q&A

Sakaibrary Project Overview



- Sakaibrary project is a partnership of Indiana University Bloomington Libraries and University of Michigan Libraries (additional partners: Johns Hopkins, Northwestern, Stanford, Yale, UC Berkeley)
- Supported by Andrew W. Mellon Foundation and IUB/UM
 - *Integrating Licensed Library Resources with Sakai*
 - Proposal available on project website:
<http://www.dlib.indiana.edu/projects/sakai/>
- January 1, 2006 - June 30, 2007

Project Goals

1. Build tools to provide seamless integration of content from licensed library databases within Sakai for instructors
2. Leverage existing library technology infrastructure
3. Prototype functionality for librarians to present content in Sakai and students to discover licensed content within Sakai.
4. Engage librarians, students, and faculty in the design and testing
5. Collaborate with the Sakai community

The Problem

Library resources & services are not well-integrated in Oncourse CL

- ❑ Too many search tools
- ❑ Searches are hard to scope appropriately
- ❑ Too much copy/paste required (for URL, for article title, other bibliographic information)
- ❑ Not all URLs are persistent
- ❑ Oncourse doesn't know about citations
- ❑ No librarian role in an Oncourse course site

Sakaibrary Project Process

- Develop requirements and designs with feedback from partner institutions
- Develop tools in two phases
- Conduct evaluation at IU and UM
- Release tools as open source

Milestones So Far

- Usage scenarios – March 2006
- Requirements – May 2006
- First phase implementation – October 2006
- Usability testing – November 2006
- Planning for pilot testing and second phase development - Now

Fall 2006 Implementation

- Federated searching from within Resources tool
- Support for Sirsi Single Search (IUB) and Ex Libris Metalib (UMich)
- Searches can be constrained based on instructor needs
- Citation list as object type in Sakai
- Citations can be added from search results to citation list with no copy/paste
- OpenURLs and link resolvers for more reliable URLs
- Export to citation management software (e.g., Endnote)

IU Project Participants

- Co-Project Director: Jon Dunn
- Technology: Steve Smail, Madhu Maryumi, Vern Wilkins
- Usability: Mark Notess, Sharon Hay
- Public Services: Diane Dallis, Carolyn Walters

Demo

http://sakaibrary-pilot.lib.indiana.edu - Citation Tool - Mozilla Firefox

Search Library Resources

Select a category:

Enter search terms:

Viewing 11 - 20 of 474

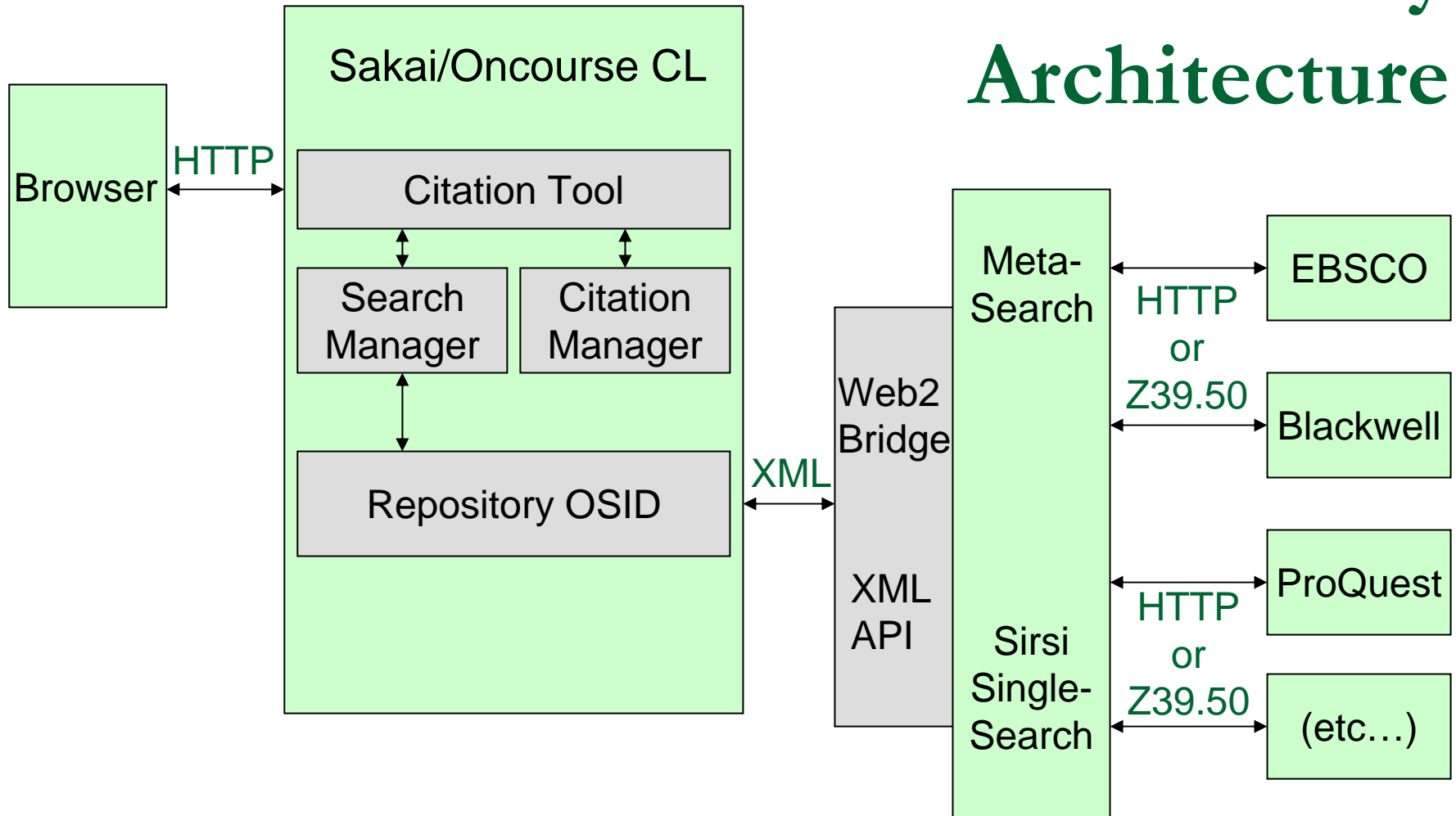
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Search Results

- [Influence of cranberry juice on the urinary risk factors for calcium oxalate kidney stone formation.](#) T. McHarg; A. Rodgers; and K. Charlton. *BJU International*, 92(7) 2003. 765-768..
- [Transmission of a cyclical translocation in two cranberry cultivars.](#) R. ORTIZ and N. VORSA. *Hereditas*, 140(2) 2004. 81-86..
- [Development and Characterization of Edible Films from Cranberry Pomace Extracts.](#) Su-il Park and Yanyun Zhao. *Journal of Food Science*, 71(2) 2006. E95-E101..
- [A high molecular mass cranberry constituent reduces mutans streptococci level in saliva and inhibits in vitro adhesion to hydroxyapatite.](#) Ervin I Weiss; Avital Kozlovsky; Doron Steinberg; Ron Lev-Dor; Ronit Bar Ness Greenstein; Mark Feldman; Nathan Sharon; and Itzhak Ofek. *FEMS Microbiology Letters*, 232(1) 2004. 89-92..
- [Measurement of short-term nutrient uptake rates in cranberry by aeroponics.](#) P. BARAK; J. D. SMITH; A. R. KRUEGER; and L. A. PETERSON. *Plant, Cell and Environment*, 19(2) 1996. 237-242..
- [Anti-adhesion therapy of bacterial diseases: prospects and problems.](#) Itzhak Ofek; David L Hasty; and Nathan Sharon. *FEMS Immunology and Medical Microbiology*, 38(3) 2003. 181-191..
- [Cranberries.](#) *Nutrition Bulletin*, 26(2) 2001. 115-116..
- [ABILITY OF VARIOUS POLYPHENOLIC CLASSES FROM CRANBERRY TO INHIBIT LIPID OXIDATION IN MECHANICALLY SEPARATED TURKEY AND COOKED GROUND PORK.](#) CHEN-HSIEN LEE; JESS D. REED; and MARK P. RICHARDS. *Journal of Muscle Foods*, 17(3) 2006. 248-266..
- [Is fruit size important in the selection of oviposition sites by cranberry fruitworm, *Acrobasis vaccinii*?](#) David Marchand and Jeremy N. McNeil. *Entomologia Experimentalis et Applicata*, 119(3) 2006. 213-219..
- [Metabolic adaptation to prolonged anoxia in leaves of American cranberry \(*Vaccinium macrocarpon*\).](#) Urte Schlüter and Robert M. M. Crawford. *Physiologia Plantarum*, 117(4) 2003. 492-499..

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Sakaibrary Architecture



Incorporating licensed library resources into Sakai using a Meta-Search engine
(Oncourse CL and Sirsi SingleSearch at IU)

Fall 2006 User Test

- Conducted usability test of the Fall 2006 release (“phase one”) of Sakaibrary to identify usability problems
- 11 users total:
 - 6 at Michigan, 5 at Indiana
 - 4 librarians, 4 instructors, 3 students
 - 10 had prior Sakai experience
- Task: create a citation list by searching, selecting results, entering a citation manually, saving, and viewing the list
- Testing occurred over two-week period starting 10/27

Findings – the Value

- Instructors see value in having an easy way for students to create and share citation lists within Sakai
- Instructors like being able to create “electronic reserves” themselves, manually finding and saving articles and then uploading them
- Librarians seem more skeptical, sometimes preferring native search interfaces and valuing the investments made in library websites
- Students see it as helpful in writing research papers

Findings – Sakai Context

- A fair amount of intervention required – either training or improvements are required
- Trying to fit Sakaibrary functionality within the existing resources tool causes some confusion
 - where do I go to create a citation list?
 - what is the title for?
 - what does “Add” do?
- On library sites, search and database selection are primary; in Sakaibrary, search is buried
- Because Sakaibrary is a new paradigm, some learning curve may be expected

Findings – Search Results

- Results returned by underlying metasearch services fall short of expectations
 - Google sets expectations
 - Users expect sorting by relevance and/or date
 - Users want ready access to abstracts and full text from search results
 - Users want a “full text only” option



Next Steps

- Just finished initial write-up from user tests
- Will decide how to respond to each issue
 - Some can be addressed with simple changes in page layout, adding instructions or examples, or changing terminology
 - Some are beyond our control – e.g., Sakai framework issues or metasearch engine issues
- Have to trade off polishing current functionality against implementing additional functionality – what is “good enough”?
- Gather input from partners and others at Sakai conference in Atlanta

Next Phase

Probable Functionality

- Research guides
- Search scoping based on subject hierarchy
- Advanced (fielded) search
- Google Scholar integration
- Usability improvements

Questions?