EVERY CONNECTION has a starting point.

The WorldCat Search API

Roy Tennant
Senior Program Officer

OCLC Research
Typical Application

Data Layer
Application Layer
Presentation Layer

Diagrams from David Walker
API-based Application

Data Layer
Application Layer
XML layer
API-Based Application

Data Layer

Application Layer

XML layer

Custom Presentation Layer
Sent to another source to retrieve.
The WorldCat Search API

- Searches with familiar protocols: OpenSearch and SRU
- Returns results in XML: RSS, Atom, MARC21 XML, Dublin Core
- A broad range of indexes, including a way to limit searches by holding library, for authenticated users
- Other users search a smaller set of indexes, similar to those in the WorldCat.org advanced search
- Sort by relevance, author, title, date, library count, and more
For a single record

- List nearby libraries
- Nearbyness - ip address, zip code, country, state/province, latitude/longitude
- Get standard citations ... APA, Chicago, Harvard, MLA, and Turabian
- See other editions
Test Requests and Responses

The URI Evaluator offers an easy way to test API requests and evaluate their responses.
Example Use: include WorldCat.org book links in a web site sidebar
The WorldCat Widget works with SRU Dublin Core results. From there, links lead to library locations in WorldCat.org.

The CiteMe Widget uses OpenSearch results, with each citation automatically formatted based on the user’s preference: APA, Chicago, Harvard, MLA, or Turabian.
Karen Coombs’ WordPress Widget

UH Libraries News

Recent Posts
- Test Post
- New Research Resources for Business, Education, and Social Sciences
- Summer Book Club Returns!
- New Interdisciplinary Research Resources
- Chat Reference on break during Intersession

Test Post

testing

Posted on May 29th, 2008 by Admin and filed under Announcements | Edit | No Comments »

New Research Resources for Business, Education, and Social Sciences

These new databases are now available from the University of Houston Libraries:

CQ Voting and Elections Collection: It integrates data, authoritative analyses, concise explanations, and historical material to provide a research and reference tool on voting and elections in America. From the American voter, to major and minor political parties, to actual races for Congress, the presidency, and governorships, the collection provides context-driven intelligence on the states of elections in America. Election data can be downloaded.

Educational Administration Abstracts: It provides bibliographic records covering essential areas related to educational administration, including education research, higher education administration theory, and other areas of key relevance to the discipline.

Health and Psychosocial Instruments (HaPI): It provides bibliographic information about behavioral measurement instruments. Information in the database is abstracted from hundreds of leading journals covering health sciences and psychosocial sciences. Additionally, instruments from industrial/organizational behavior and education are included.

Small Business Resource Center: This database provides relevant, authoritative, and easy-to-understand information.
http://xerxes.calstate.edu/fullerton/books
http://xerxes.calstate.edu/fullerton/books
Barack Obama in his own words /
edited by Lisa Rogak.

Main Author: Obama, Barack.
Other Authors: Rogak, Lisa, 1962-
Language: English
Subjects: Legislators > Quotations. > United States
African American legislators > Quotations.
Obama, Barack > Quotations.

Holdings:

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<th>Call Number</th>
<th>On Reserve</th>
<th>Location</th>
<th>Get It</th>
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<td>29-APR-09</td>
<td>E185.97 .023 A25 2007 (LC)</td>
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<td>SML, Stacks, LC Classification</td>
<td>View in Orbis</td>
</tr>
</tbody>
</table>
Barack Obama in his own words /
edited by Lisa Rogak.

Main Author: Obama, Barack.
Other Authors: Rogak, Lisa. 1962-
Language: English
Published: New York : Carroll & Graf, c2007.

Other Local Copies
- John Jay College of Criminal Justice Library
- New York Public Library - Research
- New York Public Library - Stanch Library
- New York University
- Laguardia Community College Library Media

Links to other catalogs
Could add "GoogleMaps" link too
WC Search API: Some Practical Uses

- Extend searches to WorldCat’s 136M+ records
- Format citations
- Add library links to search results
- Create search-based Atom and RSS Feeds
What is OCLC Grid Services?

• An initiative to centralize the creation and management of machine-to-machine services across the organization

• Exposes data (e.g., MARC records) and services (e.g., related works)

• Includes both production and experimental (Research) services
Why OCLC Grid Services?

- Gain internal operational efficiencies
- Provide added value to member libraries
- Develop community to advise us on external needs and priorities
Examples of Other Grid Services:

- Identifier Services (e.g., xISBN, xISSN, xOCLCnum)
- Registry Services (e.g., Institution Registry)
- Experimental Services (e.g., Terminologies)

Support Service: Developers Network
Developer’s Network

- Documentation (wiki)
- Communication (blog, discussion list)
- Infrastructure for collaboration (wiki, code repository)
- Web services pilots
- Sponsorship of events (e.g., Hackathon)

http://worldcat.org/devnet
WorldCat Mashathon a huge success

Posted by Alice Sneary on May 22, 2009:15 AM | Permalink | Comments (6) | TrackBacks (0) | + Bookmark or Share

Thanks to everyone who participated in the mashathon and followed us on tweeps. The library press noticed, too. It is hard to believe it has already been a week since we disbanded—I think I left half my heart (and 152 photos) in Amsterdam. Certainly, I came home brimming with interesting ideas and a renewed curiosity about how OCLC can use APIs and Web services to improve the information-gathering experience for researchers.

A few people have asked what the Mashathon was for. Besides just being fun to get together, the goal of the event is twofold: one is to raise awareness of the WorldCat Search API and related Web Services freely available from OCLC and other library-related organizations. The equally important second goal is to help developers connect with fellow developers and other technology-minded thinkers to work on shared solutions to similar situations or challenges within their respective settings. We found the face-to-face interaction really helpful—even as online collaboration environments continue to improve. There are still reasons for Web-oriented people to come together: powerful connections happen that we all benefit from.

In the end, there were 9 new tools/apps/ideas presented. I will share them below in the order they were presented, with links to the YouTube videos. I know there were a whole lot more apps still being worked on that weren't presented, too. So if you didn't present yet, let me know when you're ready to share. Add your project to the sample apps page, so everyone can build on your good ideas:

Also available at a WorldCat Library. A new sidebar in the Wageningen UR Library Catalogue that uses the WorldCat Search API and the WorldCat Registry OpenURL Gateway to display a location-sensitive listing for other WorldCat libraries who also hold the item. See it in action at http://bohoe001.devel.library.wur.nl/WebQuery/catalog/ang/1667730

Peter van Boheeme, Wageningen University, Wageningen, Netherlands

AdLib Library Gateway to WorldCat
List Archives

- Subscriber's Corner
- Server Archives
- List Archives
- List Management
- List Moderation
- Server Management
- Help
- Log off
- Archive Search

Archives of WC-DEVNET-L@OCLC.ORG

WorldCat Developer Network Discussion List

- Search the archives
- Post to the list
- Join or leave the list (or change settings)
- Manage the list (list owners only)

- May 2009, week 4
- May 2009, week 2
- May 2009, week 1
- April 2009, week 4
- April 2009, week 3
- April 2009, week 2
- April 2009, week 1
- March 2009, week 4
- March 2009, week 3
- March 2009, week 2
- March 2009, week 1
- February 2009, week 4
- February 2009, week 3
- February 2009, week 1
- January 2009, week 5
- January 2009, week 4
- January 2009, week 3
- January 2009, week 2
- January 2009, week 1
- December 2008, week 2
WorldCat Developer's Network

The WorldCat Developer's Network is a community of developers collaborating in a "sandbox" environment in order to propose, discuss and test WorldCat Grid Services. This open source, code-sharing infrastructure improves the value of OCLC data for all users by encouraging new Grid Service uses.

How do I participate in the Network?

- Coming! WorldCat Hackathon, November 7-8 at the New York Public Library!
- Membership in the network is open to any developer in the library services industry, and to any other informed, interested user of library services.
- There is no charge to be a member of the network.
- OCLC hosts this wiki space and a blog for members to use for communication and code posting.
- OCLC hosts the Developer's Network Listserv. To subscribe, visit this page and look for WC-DEVNET-L at the bottom. Participation in mailing lists is open to anyone, as is access to any information on the Developer's Network website.

Learn more about OCLC Grid Services

Including... WorldCat API, xD services, Registry services

http://worldcat.org/devnet/