The WorldCat Search API

EVERY CONNECTION has a starting point

Roy Tennant
Senior Program Officer

OCLC Research

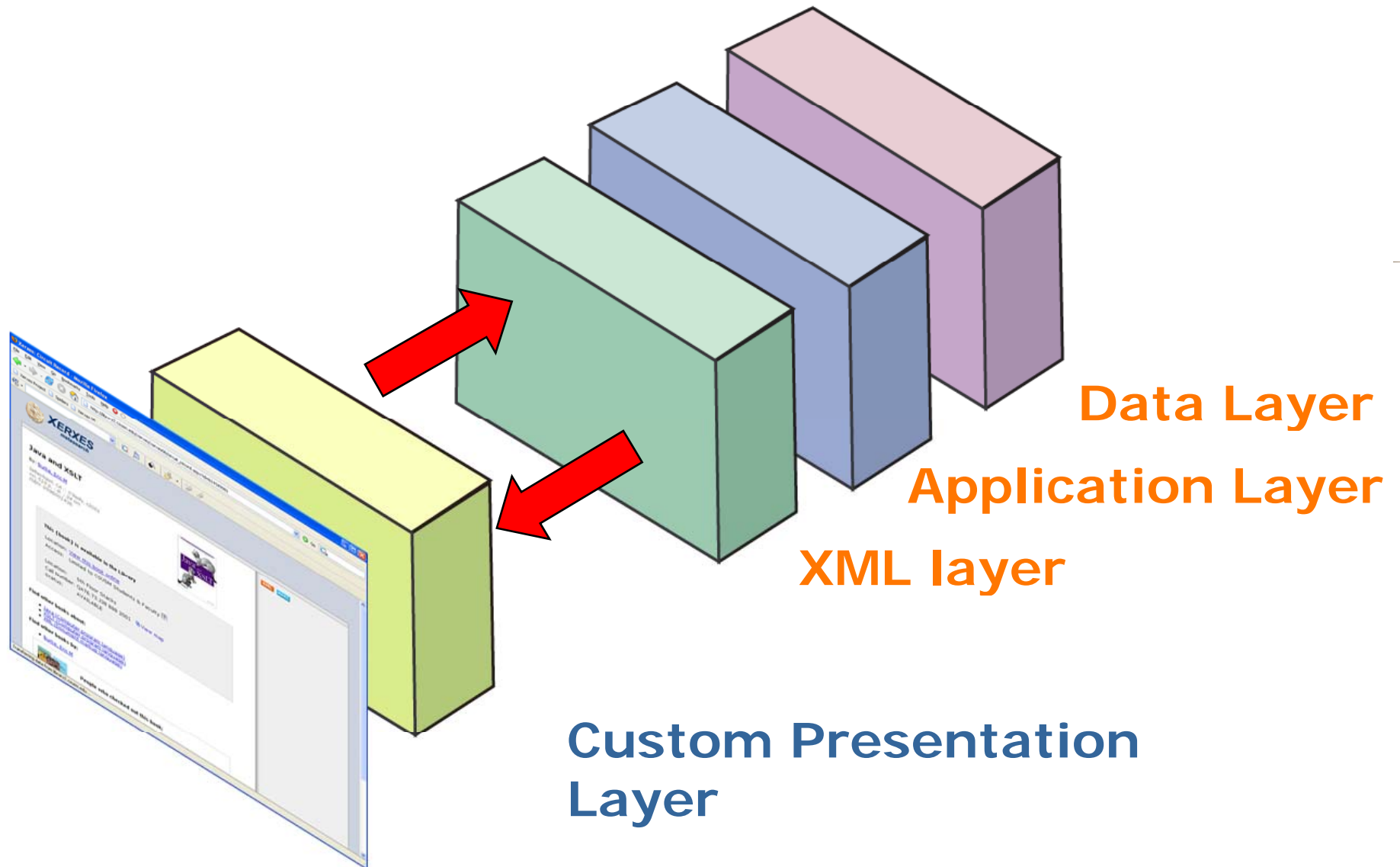**OCLC**™ The world's libraries. Connected.

Typical Application

Data Layer

Application Layer

Presentation Layer
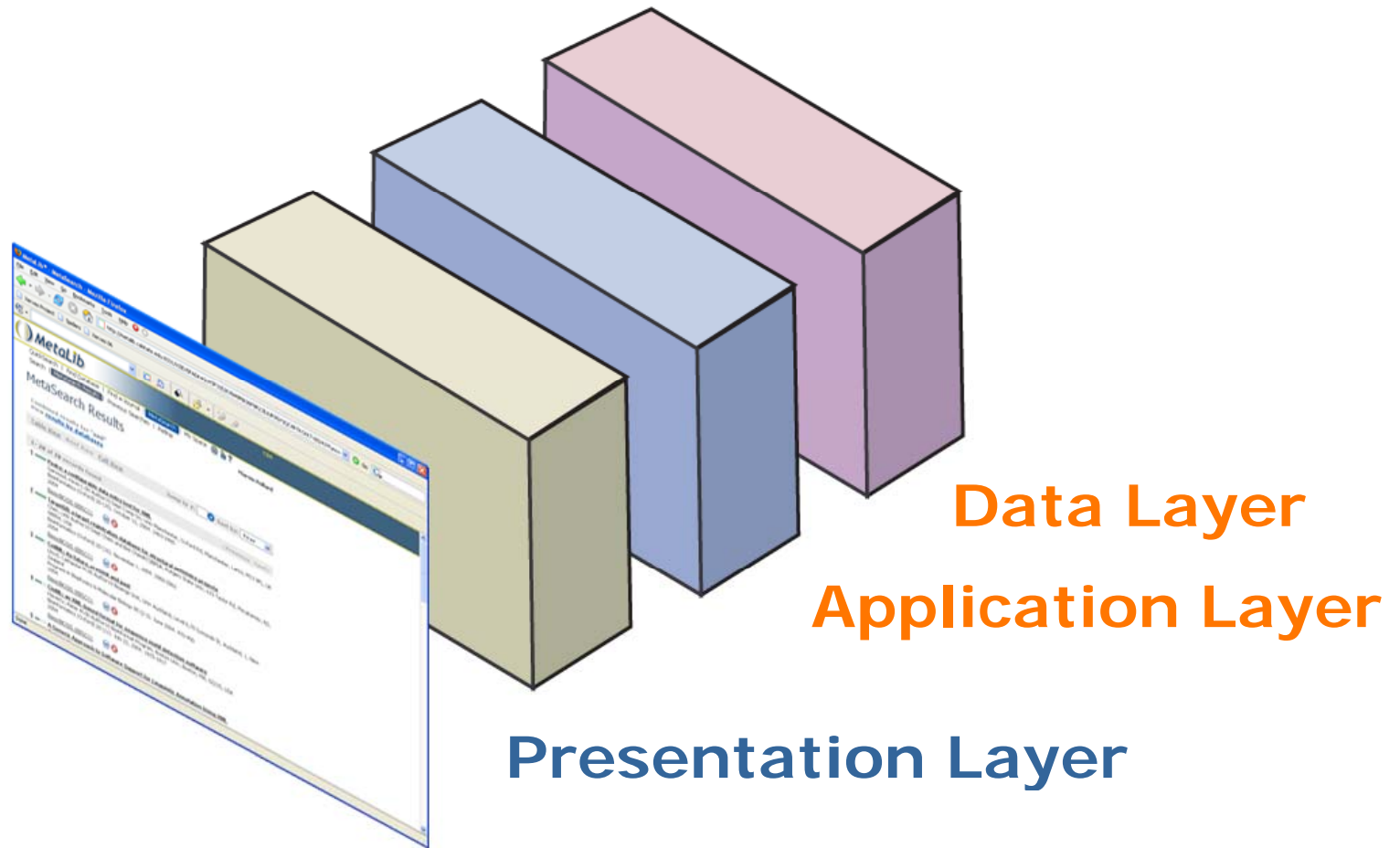
Diagrams from David Walker

API-based Application

Data Layer

Application Layer

XML layer

API-Based Application

Data Layer

Application Layer

XML layer

Custom Presentation Layer
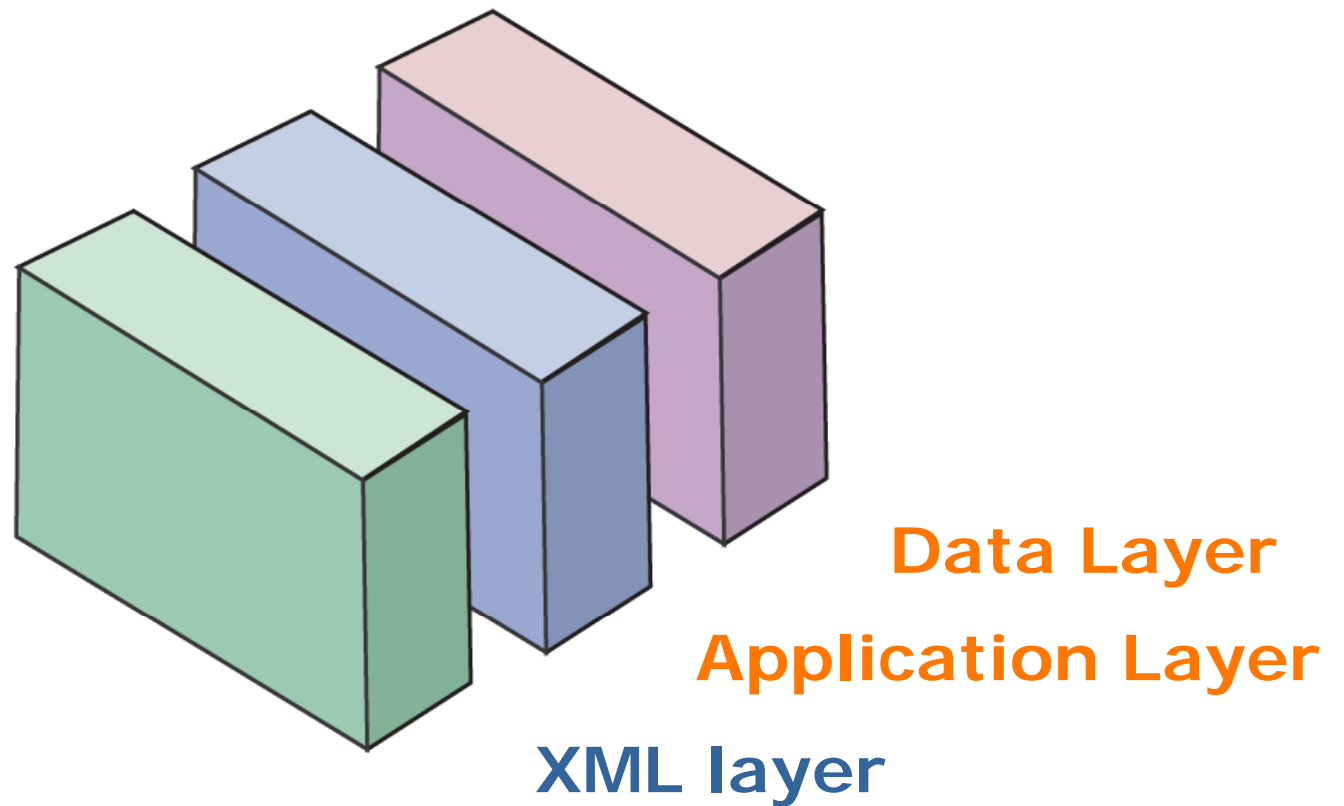
Edit View Go Bookmarks Tools Help

http://library2.csusm.edu/xerxes/xerxes06/circuit_record.aspx?id=b14349981   Go
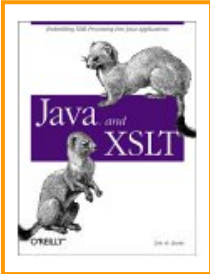
Xerxes Project   Spiders   Xerxes 06

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XERXES *metasearch*

Sent to another source to retrieve

Java and XSLT

By Burke, Eric M

Sebastopol, CA :: O'Reilly, c2001
xvi, 510 p. : ill. ; 24 cm
ISBN: 0596001436

This {book} is available in the Library

Location: View this book online
Access: Limited to CSUSM Students & Faculty [?]

Location: 5th Floor Stacks
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Transferring data from library2.csusm.edu...

Home | My WorldCat | Search

WorldCat®

Find items in libraries near you

1.4 billion items available here

Welcome back, Roy!

rtennant

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Advanced search

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WorldCat Blog **Top 20 Most-Viewed Items for April**

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▶ Create lists

Create lists of items you'd like to keep track of or share with others.

Recently updated list

▶ Build a bibliography

Get citations in five common styles, and export them to a variety of formats including EndNote and RefWorks.

Video tutorial

Use WorldCat tools

Keep library resources close at hand from your browser or personalized Web page.

Additional tools

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

WorldCat Search Web Service AJAX Demonstrator - Mozilla Firefox

File   Edit   View   History   Bookmarks   Tools   Help   del.icio.us

CIVIL WAR

Lorem ipsum

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Sed suscipit ipsum

Mi dignissim eu maecenas quisque et, quam vehicula blandit molestie in pharetra, eleifend lacinia id ipsum eu, explicabo hac sapien amet. Lacus convallis, id lacinia, a donec metus dui tellus, convallis eget. Tortor faucibus elit, orci nullam metus pellentesque libero.

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Find books about *civil war* in your local library

BATTLE CRY OF FREEDOM
THE CIVIL WAR ERA

Battle cry of freedom : the Civil War era by McPherson, James M.

Search with WorldCat®

Sed suscipit ipsum

Mi dignissim eu maecenas quisque et, quam vehicula blandit molestie in pharetra, eleifend lacinia id ipsum eu, explicabo hac sapien amet. Lacus convallis, id lacinia, a donec metus dui tellus, convallis eget. Tortor faucibus elit, orci nullam

Done

zotero

WorldCat Search API and Facebook

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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

CSU Library Search

http://xerxes.calstate.edu/fullerton/books

CSU Library Search

http://xerxes.calstate.edu/fullerton/books

http://yufind.library.yale.edu/yufind/Record/7840880

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Published: (1900)

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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.
Subjects:	Legislators > Quotations. > United States African American legislators > Quotations. Obama, Barack > Quotations.
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Holdings	Description	Reviews	Excerpt	Staff View

Copy	Status	Due Date	Call Number	On Reserve	Location	Get It
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By: Nash, Charles Edward.
Published: (1900)

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By: Wiese, Andrew.
Published: (2004)

📘 **... working women ... search for justice**
By: Collins, Patricia Hill, 1948-
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Links to other catalogs
Could add a "GoogleMaps" link too

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Barack Obama in his own words /
edited by Lisa Rogak.

Main Author:	Obama, Barack.
Other Authors:	Rogak, Lisa, 1962-
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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

OCLC Grid Services

- 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

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- 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 Hackathon, November 2008, NYPL

WorldCat Mashathon, May 2009, Amsterdam

OCLC DEVELOPER NETWORK BLOG
ON LIBRARY WEB SERVICES FROM OCLC AND OTHERS

About this blog

Developers' Network Web Site

News and ideas from the Web Services group and the Developer Network at OCLC Online Computer Library Center. We develop library-related technical services such as WorldCat Search API, which you can use to build or enhance your own applications....

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WorldCat Mashathon a huge success

Posted by Alice Sneary on May 22, 2009 9:15 AM | Permalink | Comments (6) | TrackBacks (0) | Bookmark or Share
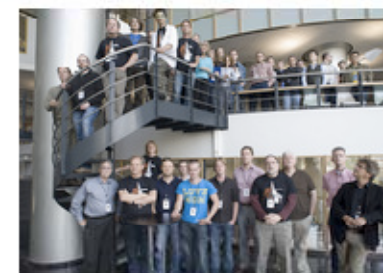
Thanks to everyone who participated in the Mashathon and followed us on tweets. The library press noticed, too. It is hard to believe it has already been a week since we disbanded--I think I left half my heart (and 152 photos) in Amsterdam. Certainly, I came home brimming with interesting ideas and a 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://bohee001.devel.library.wur.nl/WebQuery/catalog/lang/1667730 *Peter van Boheeme, Wageningen University, Wageningen, Netherlands*

AdLib Library Gateway to WorldCat

adsense   Gmail   analytics   Intranet   Wiki   Basecamp   Grid   DevNet   JIRA   Feeds ▾   Add To Twine   WC-DEVNET-L   My Planet   WebTools   Twitter

OCLC E-mail list subscriptions and archive

List Archives

Subscriber's Corner
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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

http://worldcat.org/devnet/wiki/Main_Page

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[edit]

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.

The W...

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- share software code with other network members and the community-at-large in an open source environment; and,
- provide feedback points for the library community to engage with.

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 web site.

Learn more about OCLC Grid Services

[edit]

Including... WorldCat API, xID services, Registry services

http://worldcat.org/devnet/

Navigation
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