

ALA Midwinter
January 16, 2010

What WorldCat Can Do For You: Web Services

Roy Tennant
OCLC Research



OCLC™

The world's libraries.
Connected.

What Are Web Services?

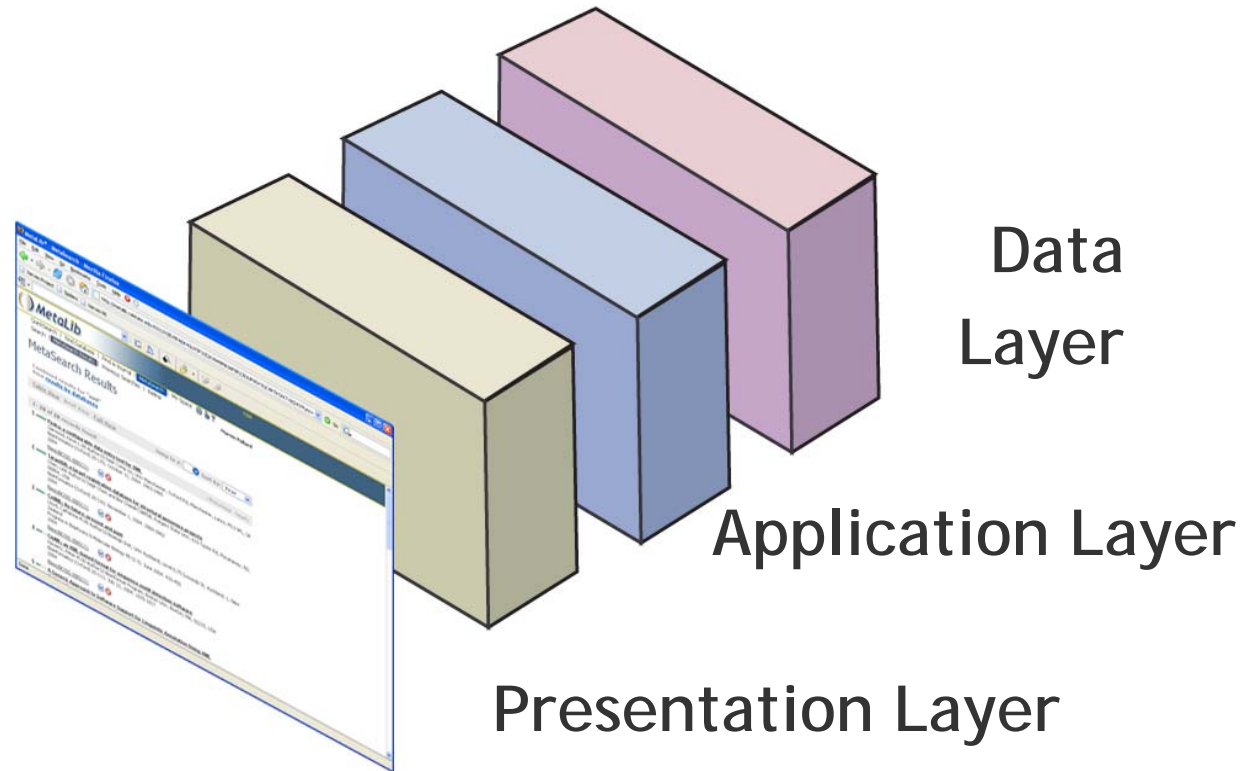


Applications that output data in structured form for use by another application

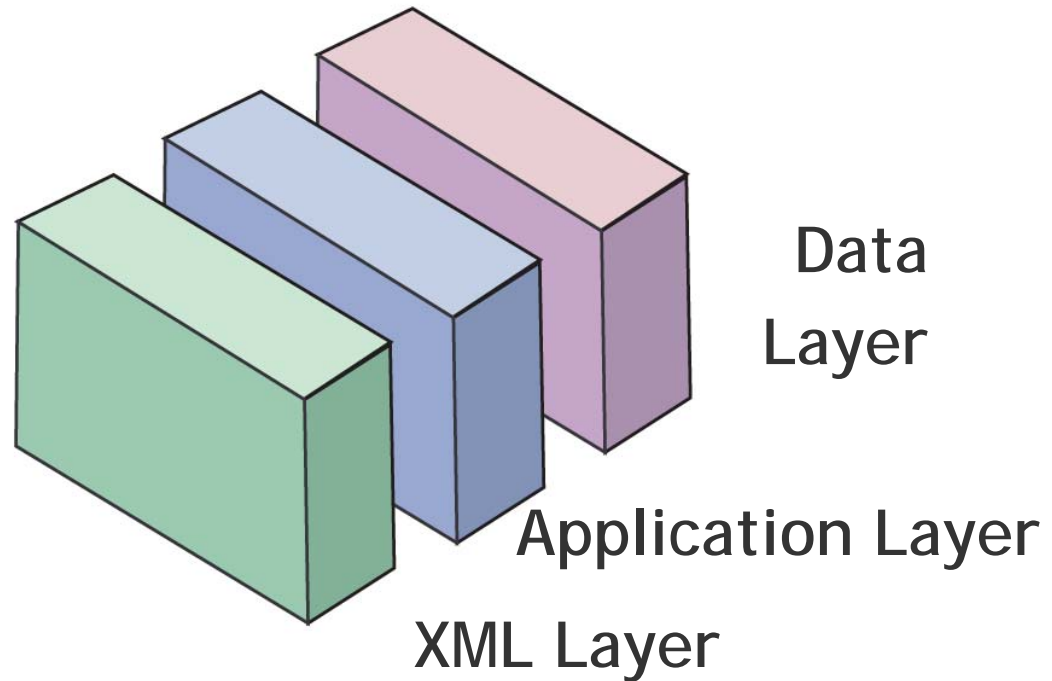
Also known as “application program interfaces” or APIs

Typically use standard protocols (e.g., SRU, OpenSearch) and data formats (e.g., MARCXML, AtomPub)

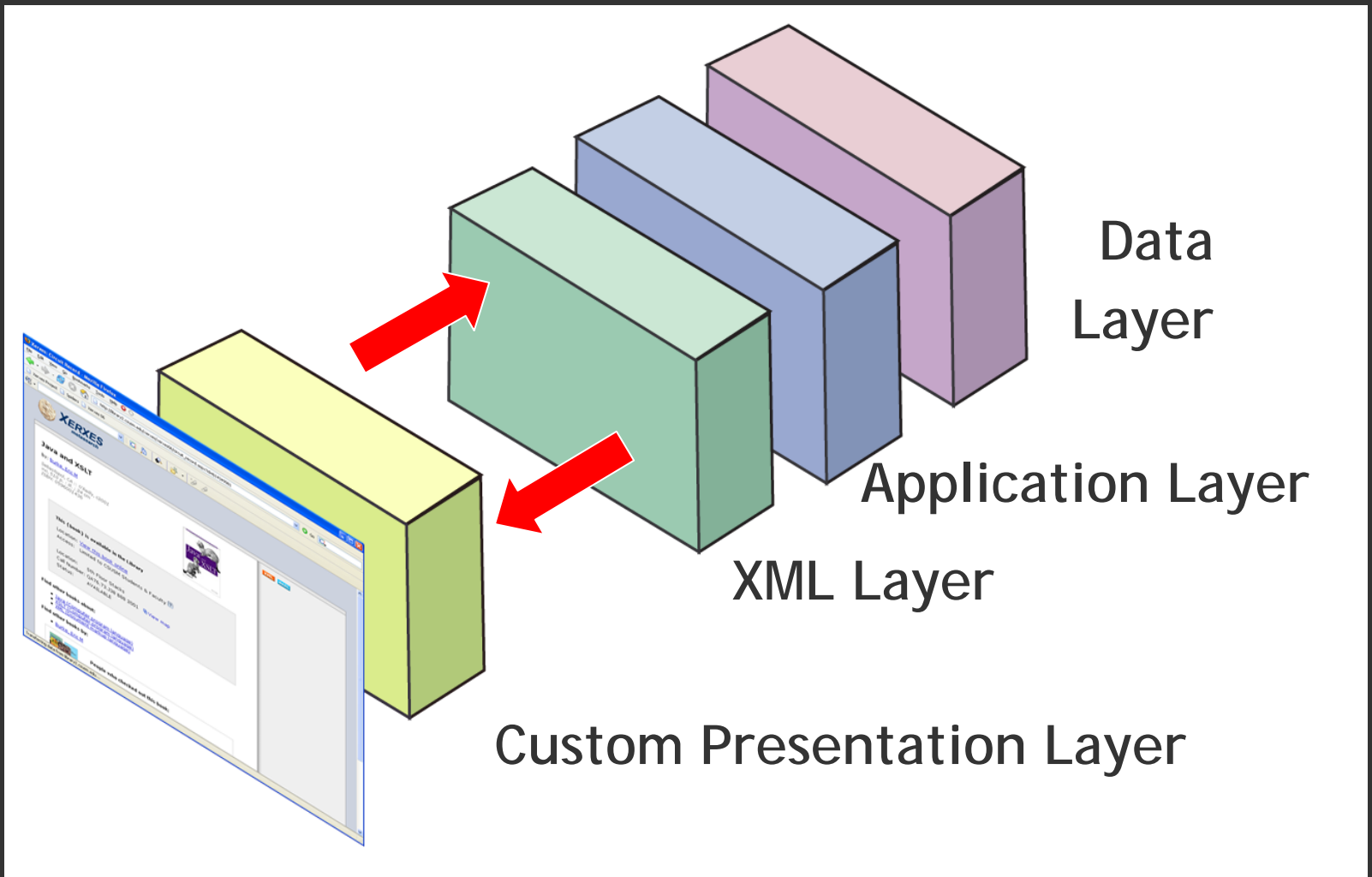
Typical Application



API-Based Application



API-Based Application



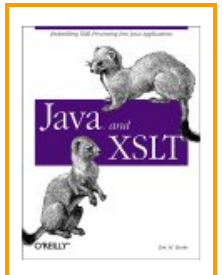
Sent to another
source to retrieve



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

Call Number: QA76.73.J38 B88 2001  [View map](#)

Status: AVAILABLE

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OCCLC Web Services: Production



- WorldCat Search API, Basic API
- xID Services:
 - xISBN
 - xLCCN
 - xOCLCNum
- Registry Services:
 - Institution Registry
 - OpenURL Gateway
- WorldCat Identities

OCCLC Web Services: Experimental



- Terminology Services
- Metadata Crosswalk
- Dewey Decimal Summaries

OCLC Web Services: How They Are Being Used



LouFind

This application utilizes the following OCLC services.

WorldCat Search API, WorldCat Registry

LouFind uses the WorldCat Search API—including citation—and the WorldCat Registry to find libraries near Brandeis. It helps users determine who holds the book, and provides detailed location information on each library, which is then fed to the Google Maps API. LouFind is written in PHP.

« Back to Search Results

Cite this Text this Email this Export Record Add to favorites

Programming Perl /

Larry Wall, Tom Christiansen, and Randal L. Schwartz.

Main Author: Wall, Larry
Other Authors: Schwartz, Randal L., Christiansen, Tom
Format: Book
Language: English
Published: Sebastopol, CA: O'Reilly & Associates, c1996.
Edition: 2nd ed.
Series: A Nutshell handbook.
Subjects: Perl (Computer program language)
Tags: perl (1)

Holdings Description Table of Contents Comments

Science Library _ Stacks

Call Number: QA76.73.P22 W348 1996
Copy 1 [On loan Due: 05/15/09](#) | [Check other libraries](#)

Similar Items

- Effective Perl programming: writing better programs with Perl
By Wall, Joseph R. 1996.
- Programming the Network with Perl
By Barry, Paul 1996.
- Perl programming for biologists
By Jablon, D. Curtis
- Advanced Perl programming
By Cozens, Simon
- Perl how-to program

Wall, Larry, Randal L. Schwartz, and Tom Christiansen. Programming Perl. A Nutshell handbook. Sebastopol, CA: O'Reilly & Associates, 1996.

Boston College (BLC Member)
140 COMMONWEALTH AVENUE, CHESTNUT HILL, US-MA, 02467
[Click to check availability](#) | [Directions](#)

- Brandeis University Library (BLC member)
- Wellesley College (BLC member)
- Babson College
- Boston College (BLC member)
- Harvard University, Cabot Science Library
- Boston University (BLC member)
- Franklin W. Olin College of Eng
- Harvard University
- Massachusetts Institute of Tech (BLC member)
- Schlumberger-Doll Res Center

Developed by: [Greg McClellan](#), Brandeis University

OCLC Web Services: How They Are Being Used



Online Catalog

This application utilizes the following OCLC service.

WorldCat Search API

Cal State is using the WorldCat Search API to create a customized interface to WorldCat. This view seamlessly integrates WorldCat results into their library Web sites and meta search systems, with hooks into local catalog systems, their link resolver, and a whole host of other systems and services designed for undergraduate research.

The screenshot displays the Pollak Library Research website interface. At the top, the header includes the library logo and the text 'CALIFORNIA STATE UNIVERSITY FULLERTON Pollak Library Research'. Below the header, a navigation bar shows 'Home > Find Books > Results' and a link to 'My Saved Records'. A search bar contains the text 'Search keyword for dog' with a 'GO' button. Below the search bar, there are tabs for 'Cal State Fullerton', 'Other Cal State campuses', and 'Libraries worldwide'. The search results section shows 'Results 1-10 of 86,635'. The first result is for the book 'Henry, the Dog with No Tail (1st Book)' by Kate Feffer, published by Simon & Schuster. A second, larger result is for 'Dogs: The Ultimate Dictionary of over 1,000 Dog Breeds' by Desmond Morris, published in 2002 by Trafalgar Square Publ. The details for this book include the format (Book), year (2002), publisher (North Pomfret, VT: Trafalgar Square Publ., 2002), and description (752 p. : ill. ; 25 cm.).

Developed by: [David Walker](#), California State University

OCLC Web Services: How They Are Being Used



Red Laser

This application utilizes the following OCLC services.

WorldCat Search API, WorldCat Registry APIs

Red Laser is an iPhone app that turns your phone into a barcode scanner. It lets you check and compare prices for items such as books, videos and more—and it now includes library materials results. As the #1 Paid Utility App in the iPhone App store, Red Laser reminds thousands of consumers of library availability through the convenience of their mobile phone.



Developed by: Occipital.com ([email](#))

OCLC Web Services: How They Are Being Used



Zotero

This application utilizes the following OCLC service.

WorldCat Registry

Zotero [zoh-TAIR-oh] is a free, easy-to-use Firefox extension to help you collect, manage, and cite your research sources. It lives right where you do your work — in the web browser itself. Zotero uses the WorldCat Registry's OpenURL Gateway as its default resolver. In many cases, it connects automatically to the resource on your campus.



Developed by: [Trevor Owens](#), Center for History and New Media

OCCLC Web Services: How They Are Being Used



[Your use here]

OCCLC Web Services: The Developer Network



Main Page – WorldCat Developers' Network

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

Log in / create account

page discussion view source history

OCCLC Developer Network

The OCCLC Developer Network is a community of developers collaborating in a "sandbox" environment in order to propose, discuss and test [OCCLC Web Services](#). This open source, code-sharing infrastructure improves the value of OCCLC data for all users by encouraging new OCCLC Web Service uses.

The OCCLC Developer Network is a group of developers who will:

- help shape the future of OCCLC Web Services
- engage in discussions, proposals, and code sharing to improve proposed services
- share software code with other network members and community members in a secure environment, and,
- provide feedback points for the library community to engage with.

How do I participate in the Network?

- **NEW! WorldCat Basic API** now available
- See the [Mashathon in Seattle November 5-6 2009](#), the [2009 WorldCat Mashathon in Amsterdam](#), and the [2008 WorldCat Hackathon in New York City](#) for presentations and pictures.
- 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.
- OCCLC hosts this wiki space and [a blog](#) for members to use for communication and code posting.
- OCCLC 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 OCCLC Web Services

Services include WorldCat APIs, xID services, Registry services as well as some experimental services we're still working on. Look around and then get inspired by fellow developers' projects. Check out the [Application Gallery](#) on OCCLC.org.

Learn about EZproxy: <http://www.oclc.org/ezproxy/>

Navigation

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toolbox

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- Permanent link

OCLC Developer Network



Karen Coombs, newly hired manager

