What WorldCat Can Do For You: Web Services

Roy Tennant
OCLC Research
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

Presentation Layer

Data Layer

Application Layer

Presentation Layer
API-Based Application

Data Layer

Application Layer

XML Layer
Sent to another source to retrieve

Java and XSLT
BY Burke, Eric M.
Sebastopol, CA :: O'Reilly, 2001
xvi, 510 p. :: ill. ; 24 cm
ISBN: 0596001436

Find other books about:
- Java (Computer program language)
- XSLT (Computer program language)
- XML (Document markup language)

Find other books by:
- Burke, Eric M.

People who checked out this book:
Checked out these other books:

Find other books:

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 2001
View map
Status: AVAILABLE

Sent to another source to retrieve
• WorldCat Search API, Basic API

• xID Services:
  • xISBN
  • xLCCN
  • xOCLCNum

• Registry Services:
  • Institution Registry
  • OpenURL Gateway

• WorldCat Identities
OCLC 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.

Developed by: Greg McClellan, Brandeis University
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.

Developed by: **David Walker**, California State University
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.

Boulder Public Library

See catalog item

See library info (hours, etc)

(303) 441-3100

Call to confirm availability

1001 Arapahoe Ave.
Boulder, CO 80302-1326

Get directions (0.3 mi)

Library listings from WorldCat.org

Developed by: Octopial.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
OCLC Web Services: The Developer Network

http://worldcat.org/devnet
Karen Coombs, newly hired manager