OCLC Web Services in Action

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Product Manager, Developer Network
What is a Web Service?

- Exposes data at the machine-to-machine level
- Lets you mix and match from all sorts of sources and build your own apps (mashups)
- Engages the library software development community
- Wikipedia: mashup is a web application that combines data from more than one source into a single integrated tool
Why should we be interested?

Expose library collections in new ways

- via mashups and web apps

Strong Social Aspect - Community Building

- Allows Developers to create innovative applications
- User networks: students, researchers and the larger world
  - Contributors
  - Consumers

Part of connecting the community to the library
WorldCat Basic API

- Search WorldCat with OpenSearch and get RSS or Atom responses
- Find books, video, music and more in the WorldCat database
- Get Titles, Authors, ISBNs and OCLC numbers
- Get records in standard bibliographic citation formats (APA, Chicago, Harvard, MLA, and Turabian)
- Get links back to WorldCat.org for more information including geographically-sorted Library information
## WorldCat Search API

<table>
<thead>
<tr>
<th>If you send this ...</th>
<th>You can get ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Search terms</td>
<td>Matching records</td>
</tr>
<tr>
<td>ISBN or OCLC number</td>
<td>A bibliographic record or a formatted citation</td>
</tr>
<tr>
<td>Postal code, or Lat/Long, or OCLC Symbol, or Country, or State/Province, and library type</td>
<td>Nearby libraries with OPAC links</td>
</tr>
<tr>
<td>If you send this ...</td>
<td>You can get ...</td>
</tr>
<tr>
<td>---------------------------</td>
<td>--------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Location</td>
<td>Library details such as • Address • Contact information • IP ranges • OpenURL servers</td>
</tr>
<tr>
<td>Institution Identifier</td>
<td></td>
</tr>
</tbody>
</table>
## OpenURL Gateway

<table>
<thead>
<tr>
<th>If you send this ...</th>
<th>You can get ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Link to the OpenURL resolver</td>
<td>Streamlined access to full-text articles</td>
</tr>
</tbody>
</table>
## xID Identifier Services

<table>
<thead>
<tr>
<th>If you send this ...</th>
<th>You can get ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISBN LCCN OCLC Number</td>
<td>Related editions for books/monographs</td>
</tr>
<tr>
<td>ISSN</td>
<td>Superseded titles for journals/serials</td>
</tr>
<tr>
<td>If you send this ...</td>
<td>You can get ...</td>
</tr>
<tr>
<td>---------------------</td>
<td>----------------</td>
</tr>
<tr>
<td>LCCN OpenURL</td>
<td>Identity record with name, birth and death dates, works by the identity, works about the identity, etc</td>
</tr>
<tr>
<td>Name Search</td>
<td>List of possible matching Identities</td>
</tr>
<tr>
<td>If you send this ...</td>
<td>You can get ...</td>
</tr>
<tr>
<td>---------------------------</td>
<td>------------------------------</td>
</tr>
<tr>
<td>Keyword search</td>
<td>Question ID</td>
</tr>
<tr>
<td>Question ID</td>
<td></td>
</tr>
</tbody>
</table>
http://xerxes.calstate.edu/fullerton/books
LouFind: Citation Formatting, Nearby Libraries, WorldCat Registry, and Google Maps
<table>
<thead>
<tr>
<th>Record number</th>
<th>1667730</th>
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</thead>
<tbody>
<tr>
<td>Title</td>
<td>A new kind of science</td>
</tr>
<tr>
<td>Author(s)</td>
<td>Wolfram, S.</td>
</tr>
<tr>
<td>Publisher</td>
<td>Champaign, IL: Wolfram Media</td>
</tr>
<tr>
<td>Publication year</td>
<td>2002</td>
</tr>
<tr>
<td>Description</td>
<td>XY, 1197, [66] p</td>
</tr>
<tr>
<td>ISBN</td>
<td>15795500088</td>
</tr>
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<td>Keyword(s)</td>
<td>artificial intelligence / theory of knowledge / science / programming languages / computational mathematics</td>
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<tr>
<td>Category</td>
<td>Sciences (General)</td>
</tr>
<tr>
<td>Publication type</td>
<td>Monograph</td>
</tr>
<tr>
<td>Language</td>
<td>en</td>
</tr>
<tr>
<td>Availability</td>
<td>EBOOK 100-A/2002-02, EBOOK 100-A/2002-02</td>
</tr>
<tr>
<td>Comments</td>
<td>There are no comments yet. You can post the first one!</td>
</tr>
</tbody>
</table>

http://library.wur.nl/WebQuery/catalog/lang/1667730
Remember, you are responsible for the completeness and formatting of citations you include in papers, manuscripts, and course assignments.

You should always double-check the final result.

**APA**


**CHICAGO**


**HARVARD**


**MLA**


**TURABIAN**

WeRead
Search API with Language Limits

Search results for solar power - Page 1 of 9

Solar power plan
[Professor Enkreten und Tragwerkskonstruktion ... Hsg. ... von Jürgen Kuhn und Rainer Gunpp]
Write the first review.
To see readers from your network Click Here

Add to my bookshelf as
Read it
Reading it
Want to Read
Won't Read

Tag this book

Solar power satellites und Völkerrecht
Martin Wil
Write the first review.
To see readers from your network Click Here

Add to my bookshelf as
Read it
Reading it
Want to Read
Won't Read

Tag this book

Solar power and chemical energy systems
M. Seyer, in cooperation with V. Quaschning, A. Steinfeld, M. Romero.
Write the first review.
To see readers from your network Click Here

Add to my bookshelf as
Read it
Reading it
Want to Read
Won't Read

Tag this book
See RedLaser and the WorldCat Search and Registry APIs in action:

http://www.youtube.com/watch?v=fDv1cAYR5wc
VuFind Reccomender Module

Authors Related to Your Search

- Twain, Mark, 1835-1910
  Related Subjects:
  - Time travel
  - Audiobooks
  more ...
- Clemens, Olivia Langdon, 1845-1904
  Related Subjects:
  - Family
  - Mental illness: Treatment
  more ...
- Clemens, Samuel Langhorne, 1835-1910
  Related Subjects:
  - Literature, Comparative: English and German
  - Literature, Comparative: German and English
  more ...
more ...

Showing 1 - 20 of 21 for search: 'samuel clemens', query time: 0.55s

Search alternatives:
clemens a clements c clement c

Personal recollections of Joan of Arc / by Clemens, Samuel Langhorne, 1835-1910. Published 1896
Call Number: DC103 .C62
Located: 2nd flr A-DS; 3rd flr DT-PM; 4th flr PN-Z
- Available
  - Book

Life on the Mississippi. by Clemens, Samuel Langhorne, 1835-1910. Published 1917
Call Number: F353 .C6443
Located: 2nd flr A-DS; 3rd flr DT-PM; 4th flr PN-Z
- Available
  - Book

Add to Favorites
VuFind Recommender Module - Terminology Services

Subject Recommendations

Related Subjects

- Computer games, Design
- Computer games, Law and legislation
- Computer games, Social aspects

Broader Subjects

- Electronic games industry

Narrower Subjects

- Level design (Computer science)
- Mobile games industry

Search alternatives:

- computer games
- computer crimes
- computer based

Showing 1 - 20 of 51 for search: 'computer games', query time: 0.3s

Sort: Relevance

Institution

MyInstitution (51)

Library

Library A (51)

Format

Book (27)
Electronic (18)
eBook (3)
Journal (2)
VHS (1)

Call Number

Q - Science (16)
G - Geography, Anthropology, Recreation (10)
L - Education (7)
H - Social Science (4)
M - Music (2)
more...

Author

Aldrich, Clark, 1967- (1)
Aliprantis, Charalambos D. (1)
Boone, George William (1)
Brun, Charlotte (1)
Chen, Jessie Y. C. (1)
more...

Language
AskREF: Search QuestionPoint Knowledgebase: MSU Libraries

(Getting answers from peer reference librarians)

Demo App  What is this?  View Code

Find:  All QuestionPoint  find
Results of your QuestionPoint all search for **ipod** (Showing matches from the last year)

1. **what is (are) an ipod (ipods)?** is the word ipod an acronym and if so what does it stand for.
   
   **Answer** | **Related Terms**

2. **Someone... told me that she heard a statistic that went something like this:** "Between Thanksgiving and Christmas, an IPOD was sold every 4 minutes." Can you help me verify or correct that statistic, and provide a citation? I want to relate this to...
   
   **Answer** | **Related Terms**

3. **[From Chat Transcript]: What are the lyrics to the song "My Generation" by the Who?**
   
   **Answer** | **Related Terms**

4. **Hi. Looking at your site for downloadable material (music, audio books, etc.). It seems that nothing is available for use with MAC computers. Is this true.**
   
   **Answer** | **Related Terms**

5. **I need a reports/news/article on Microsoft Zune advertisement.**
   
   **Answer** | **Related Terms**
AskREF: Search QuestionPoint Knowledgebase: MSU Libraries

( Getting answers from Peer Reference Librarians )

Demo App  What is this?  View Code

Return to list of questions related to ipod

Related terms for your query of ipod

- ipod touch digital music player
- ipod digital music player
Other Possibilities

- Crosslisting Print and Electronic Holdings
- Linking to Libraries Nearby
- Providing Journal Table of Contents
- Peer Reviewed Indicators
- Providing Information about the Author
- Providing Links to Free Fulltext
- Adding Similar Items
- Build a Catalog Search Box
Crosslisting Print and Electronic Holdings
Providing Journal Table of Contents

ScienceDirect Publication: The Journal of Academic Librarianship

- Health Informatics for Medical Librarians
- The Accidental Library Marketer
- Conducting the Reference Interview: A How-To-Do-It Manual for Librarians
- The Library: An Illustrated History
- Licensing Digital Content: A Practical Guide for Librarians
<table>
<thead>
<tr>
<th><strong>Title</strong></th>
<th>Journal of academic librarianship.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Publisher</strong></td>
<td>[New York, etc. Elsevier Inc., etc.]</td>
</tr>
<tr>
<td><strong>How to Cite</strong></td>
<td>APA, Chicago, Harvard, MLA, &amp; Turabian</td>
</tr>
</tbody>
</table>

| **Description** | v. ill. 28 cm. |
| **Frequency** | Bimonthly |
| **Published** | v. 1- Mar. 1975- |
| **Note** | Vols. for Mar. 1987- include insert: Libraries & computing centers. Issued also online. |
| **ISSN** | 0099-1333 0898-1752 1 |
| **Peer Reviewed** | YES |
Beethoven, Ludwig van

Ludwig van Beethoven (U.S.) or (UK); ; baptised 17 December 1770 - 26 March 1827) was a German composer and pianist.

Books About this Author

- Beethoven
- The classical style: Haydn, Mozart, Beethoven
- Beethoven the creator
- Beethoven: the music and the life
- Beethoven lives upstairs

Other things by Beethoven, Ludwig van

- Piano sonatas
- Symphony no. 5 in C minor, op. 67
- Symphony no. 9
Providing Links to Free Full text

Title: The adventures of Tom Sawyer
Author: Twain, Mark
Publisher: University of California Press, : [2002?]
ISBN: 0520235754
OCLC Number: 48932731

Ratings from LibraryThing
★★★★★ 8820 copies, 74 reviews

Fulltext for another edition from Hathi Trust

Other Libraries with this Item

Please enter a Zip Code [ ] Search
Adding Similar Items

Title: Digging dinosaurs /  
Author: Horner, John R.  
ISBN: 0894802208  
OCLC Number: 18190573  
Call Number: QE862.D5 H643 1988  
Location: Status: Copies: UTC Library (3rd Floor) Available 1

Similar Items:
- The dinosaurs of Waterhouse Hawkins: an illuminating history of Mr. Waterhouse Hawkins, artist and lecturer
- The complete T. rex
- Encyclopedia of dinosaurs
- The riddle of the dinosaur
- D is for dinosaur: a prehistoric alphabet
- The horned dinosaurs: a natural history
- The new dinosaur dictionary
- Kings of creation: how a new breed of scientists is revolutionizing our understanding of dinosaurs
- The Dinosauria
- Dinosaur tracks and traces

Ratings from LibraryThing:
★★★★★ 142 copies, 1 reviews

Other Libraries with this Item:

Please enter a Zip Code

Search
Building a Catalog Search Box

One task that many small libraries can find daunting is embedding a keyword search box for their library catalog into their library website. This script helps make that easier by using the WorldCat Registry to look up a library’s ILS Vendor and catalog url. Then based on this building a keyword search form that can be easily cut and paste into a website.

Input your institution's OCLC Symbol to have a search box auto-generated. If your catalog isn't currently supported a message stating this will be displayed. If you’d like to help add search boxes for additional catalogs like Koha, please send a message to the OCLC DevNet Listserv.

OCLC Symbol

Search

Ex Libris

Cut and paste the following code to create a keyword catalog search for your catalog.

```html
<form action="http://seneca.sunyconnect.suny.edu:4390/F" method="get">
<input type="hidden" name="func" value="find-b"/>
<input type="hidden" name="find_code" value="WRD"/>
<label for="keyword"> Enter a Keyword to Search For</label>
<input type="text" value="" id="keyword" name="request"/>
<input type="submit" value="Search"/>
</form>
```
More Applications !!!

- **Code samples** -
  www.worldcat.org/devnet/wiki/SearchAPIIDemos

- **Application Gallery** - www.oclc.org/applicationgallery/

- **Demo Code** -
  http://www.worldcat.org/devnet/code/devnetDemos/

- **Get your app in the gallery!**
  Email either Karen Coombs (coombsk@oclc.org) or Alice Sneary (snearyya@oclc.org)
How to officially join the OCLC Developer Network?

Join the WC-DEVNET-L listserv (free!)

- Listserv https://www3.oclc.org/app/listserv/
- Blog http://worldcat.org/devnet/blog/
- Wiki http://worldcat.org/devnet
- Twitter http://twitter.com/oclcdevnet/