



# OCLC Grid Services

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Senior Program Officer

**OCLC Research**



# What is OCLC Grid Services?



- Not grid *computing*, grid *services*
- Web Services: machine-to-machine services
- But... “give SOAP a REST”
- Exposes data (e.g., MARC records) and services (e.g., related works) in machine-processable form

# Why OCLC Grid Services?



- Gain internal operational efficiencies
- Provide added value to member libraries
- Develop community to advise us on external needs and priorities

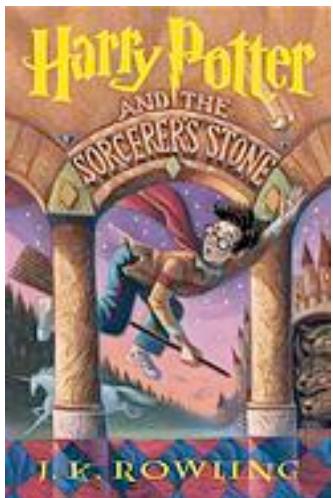


# OCLC Grid Services



- **Examples of Grid Services:**
  - Identifier Services (e.g., xISBN, xISSN)
  - Registry Services (e.g., Institution Registry)
  - Experimental Services (e.g., Terminologies, often coming out of OCLC Research)
  - WorldCat Search API
- **Support Service: Developer's Network**

- Find all related editions of a book or serial
- Easily incorporated into library catalogs, Web sites, and other library applications



100+ ISBNs for *Sorcerers Stone*

32 English (US and UK)

9 Spanish

3 Russian, German, Finnish , Latin

2 Chinese, Czech, French, Korean, Norwegian, Persian, Polish, Portuguese, Romanian, Turkish, Welsh,

1 Afrikaans, Albanian, Armenian, Basque, Bengali, Georgian, Galician, Gaelic, Ancient Greek, Greek, Gujarati, Hindi, Hungarian, Icelandic, Italian, Japanese, Latvian, Lithuanian, Malayalam, Sherpa, Slovenian, Swedish, Thai, Ukrainian, Urdu

16 Audio

59 Book

# WorldCat Registry

[www.worldcat.org/registry/institutions](http://www.worldcat.org/registry/institutions)



- A global directory of libraries, their locations, contacts, and the services they provide
- Free for all libraries to maintain and share with partners
- Pre-populated with data we already have, augmented by libraries and partners
- Centralized data essential for delivering content and services more efficiently on the Web

 WorldCat® Registry

[Registry Home](#) [About](#) [FAQ](#) [Get E-mail Updates](#) [Feedback](#)

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A free service for all libraries and consortia

One profile, one place where data about your institution and its services can be maintained, easily referenced, and syndicated across the Web

[Learn more about WorldCat Registry](#)



① **Build it** FREE  
Load up your profile with information

② **Share it** FREE  
Give access to vendors, consortium partners, funding bodies and others

③ **Update it** FREE  
Keep your profile current so workflows you've streamlined keep flowing

First time here?  
**Get started!**  
Search for your institution to see if its Registry profile already exists

[Search](#) [Advanced search](#)

Already have a Registry profile for your institution?  
**Sign In**  
or  
[Create a User Account](#)

For consortium managers  
WorldCat Registry lets you simplify the administration of your group and the sharing of configuration data. [Learn more >](#)

For content and service vendors  
WorldCat Registry can provide unambiguous identification of institutions and a single source of up-to-date customer data. [Learn more >](#)

# Registry Profile Example



WorldCat Registry - Microsoft Internet Explorer provided by OCLC, Inc.

File Edit View Favorites Tools Help

Back Search Favorites Media Address http://www.worldcat.org/registry/Institutions/5725 Go

You are not signed in ([Sign In](#) or [Register](#)) [My Account](#)

WorldCat® Registry [Registry Home](#) [About](#) [FAQ](#) [Get E-mail Updates](#) [Feedback](#)

Search for Institutions:  [Search](#) [Advanced Search](#)

[Create a new WorldCat Registry profile](#)

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**Profile Summary**

**University of Washington Libraries**

**Profile Summary**  
[Download this Profile as XML](#)

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**Name and Location**

**Identifiers**

**Relationships:**  
[Branches](#)  
[Affiliations](#)

**Services:**  
[IP Addresses](#)  
[Online Catalog](#)  
[OpenURL Resolvers](#)  
[Virtual Reference](#)

**Administrative Information**

**Contacts**

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Last updated on 2007-12-11

**Institution Name:** University of Washington Libraries  
**Also Called:**  
**Institution Type:** ARL Library

**Street Address:**  
SUZALLO LIBR BOX 352900  
SEATTLE, Washington 98195-2900  
United States

**Business Address:**  
SUZALLO LIBR BOX 352900  
SEATTLE, Washington 98195-2900  
United States

**Phone:**  
**Fax:**  
**E-mail Address:**  
**Home Page:** [Information Page: http://www.lib.washington.edu/](http://www.lib.washington.edu/)

**Services:**  
IP Addresses:  
Online Catalog: <http://catalog.lib.washington.edu>  
OpenURL Resolvers: <http://catalog.lib.washington.edu:4550/resserv?;http://duwamish.lib.washington.edu/uwnetid/illiad.dll/OpenURL>  
Virtual Reference:

# The WorldCat Search API



- Searches with familiar protocols: OpenSearch and SRU
- Returns results in XML: RSS, Atom, MARC21 XML, Dublin Core
- Sorts library locations geographically (using a zip code, an IP address that is associated with a location, or a country)
- Can reformat records as standard citations ... APA, Chicago, Harvard, MLA, and Turabian

# Test Requests and Responses



 **WorldCat Search API**  
URI Evaluator

Use this form to test requests sent to and responses received from the WorldCat Search Web Service

| Request Protocol  | Response Format                       | Search Terms | SRU Sort  | Starting Position | Maximum Records | Service Level   |
|-------------------|---------------------------------------|--------------|---|-------------------|-----------------|-----------------|
| OpenSearch<br>SRU | Atom<br>RSS<br>MARCXML<br>Dublin Core | civil war    | relevance<br>Author<br><b>Title</b><br>Date Ascending<br>Date Descending<br>Library Count Ascending<br>Library Count Descending<br>Score Ascending<br>Score Descending<br>OCLC Number | 1                 | 10              | default<br>full |

**[Build the Request]**

```
http://www.worldcat.org/webservices/catalog/search/worldcat/sru?  
query=srw_kw%3D%22civil%20war%22  
&recordSchema=info%3Aerw%2Fschema%2F1%2Fmarcxml  
&sortKey=Title  
&startRecord=1  
&maximumRecords=10  
&servicelevel=full
```

**Other Resources**

- [WorldCat Search API](#) overview
- [SRU Explain response](#) for the WorldCat Search API
- [OpenSearch service description document](#)

The URL Evaluator offers an easy way to test API requests and evaluate their responses.

# Demo: 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

**Lore ipsum**

Sed suscipit ipsum, diam non aenean, ullamcorper lobortis

**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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Sed suscipit ipsum, diam non aenean, ullamcorper lobortis adipiscing morbi magna nunc, egestas et velit massa eu nisl felis, lectus id nibh. Ut massa exercitation elit tempus vel, non elementum erat tortor nisl vitae imperdiet. 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.

Metus potenti, lorem sed, risus eget ipsum curabitur volutpat eget ultricies. Magna lectus, justo in mi tortor sapien venenatis. Donec et accumsan amet et, dolor a. Eu adipiscing. Ut lacus quam sed lectus purus rerum. Aliquet mauris fusce purus donec malesuada.

Find books about *civil war* in your local library



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

zotero

# Demo: highlight citations, summaries, and local libraries



Mozilla Firefox

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

WorldCat® Beta

Web Service Demonstration [About this prototype](#)

Look for  in libraries near   Titles 1 to 5 of 332145

Freedman, Russell . **Lincoln: a photobiography**. New York, N.Y.: Clarion Books, 1987.

Photographs and text trace the life of the Civil War President.

SAN MATEO COUNTY LIBRARY | San Mateo Public Library | Burlingame Public Library | Redwood City Public Library | Menlo Park Public Library | Palo Alto City Library | Stanford University Libraries | San Bruno Public Library | South San Francisco Public Library | Mountain View Public Library

McPherson, James M . **Battle cry of freedom: the Civil War era. The Oxford history of the United StatesVol. 6**. New York: Oxford University Press, 1988.

Filled with fresh interpretations and information, puncturing old myths and challenging new ones, Battle Cry of Freedom will unquestionably become the standard one-volume history of the Civil War. James McPherson's fast-paced narrative fully integrates the political, social, and military events that crowded the two decades from the outbreak of one war in Mexico to the ending of another at Appomattox. Packed with drama and analytical insight, the book vividly recounts the momentous episodes that preceded the Civil War--the Dred Scott decision, the Lincoln-Douglas debates, John Brown's raid on Harper's Ferry--and then moves into a masterful chronicle of the war itself--the battles, the strategic maneuvering on both sides, the politics, and the personalities. Particularly notable are McPherson's new views on such matters as the slavery expansion issue in the 1850s, the origins of the Republican Party, the causes of secession, internal dissent and anti-war opposition in the North and the South, and the reasons for the Union's victory. The book's title refers to the sentiments that informed both the Northern and Southern views of the conflict: the South seceded in the name of that freedom of self-determination and self-government for which their fathers had fought in 1776, while the North stood fast in defense of the Union founded by those fathers as the bulwark of American liberty. Eventually, the North had to grapple with the underlying cause of the war--slavery--and adopt a policy of emancipation as a second war aim. This "new birth of freedom," as Lincoln called it, constitutes the proudest legacy of America's bloodiest conflict. This authoritative volume makes sense of that vast and confusing "second American Revolution" we call the Civil War, a war that transformed a nation and

Done

# WorldCat Search API and Facebook



WorldCat® Hello Bruce!

Home Advanced Something to Read Favorite Works

Search for an item in libraries near you

Enter title, subject or author

raymond chandler

The big sleep  
by Raymond Chandler - Published 1992  
Find in a library Format a citation

The long embrace : Raymond Chandler and  
by Judith Freeman - Published 2007  
Raymond Chandler was one of the most original and enduring c  
Yet much of his pre-writing life, including his unconventional ma  
in this wholly original book, author Freeman sets out to save th  
he became the writer who would create in Philip Marlowe an ico

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

CiteMe

Get formatted citations from the world's largest library catalog, WorldCat

Search for a book by its title, author, subject, or isbn:

raymond chandler

APA Chicago Harvard MLA Turabian

Chandler, R. (1992). *The big sleep*. Vintage crime and mystery. New York: Minotaur Books.

Freeman, J. (2007). *The long embrace: Raymond Chandler and the woman he loved*. New York: Pantheon Books.

View all editions | Find in a library with WorldCat

Chandler, R. (1995). *Later novels and other writings. The Library of America, 80*. New York: Library of America.

Speir, J. (1981). *Raymond Chandler*. New York: Ungar.

View all editions | Find in a library with WorldCat

Marling, W. (1986). *Raymond Chandler. Twayne's United States authors series, TUSAS 508*. Boston: Twayne.

View all editions | Find in a library with WorldCat

The WorldCat Widget works with SRU Dublin Core results. From there, links lead to library locations in WorldCat.org.

Invite Friends

# WorldCat Search API and the iPhone



The image shows three screenshots of an iPhone displaying search results from the WorldCat mobile application. The screenshots are arranged vertically, showing different stages of the search or results.

**Screenshot 1 (Left):** Shows the search interface with the AT&T signal, battery level, and time (9:46 AM). The search bar contains "Lincoln Gettysburg". Below it, a result for "Lincoln at Gettysburg : the words that remade America" by Garry Wills is shown. The result includes a brief description: "Published Includes bibliographical references (p. 267-304) and indexes.", and links for "Related books" and "Related subjects". There is also a checkbox for "E-mail this title".

**Screenshot 2 (Middle):** Shows the same book result with more detailed information. It includes a thumbnail image of the book cover for "LINCOLN Gettysburg" by GARRY WILLS, which won the Pulitzer Prize. The description is expanded to include "Includes bibliographical references (p. 267-304) and indexes." Below the book details, there are links for "Related books", "Related subjects", and "Borrow" (with the Redwood City Public Library listed). There is also an option to "E-mail this title".

**Screenshot 3 (Right):** Shows a second book result: "America : the last best hope" by William J. (William John) Bennett. The result includes a thumbnail image of the book cover, a brief description: "Published 2006-c2007 Includes bibliographical references and indexes.", and a link for "Related books".

# Karen Coombs' WordPress Widget



University of Houston Libraries logo

University of Houston Libraries

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- [Summer Book Club Returns!](#)
- [New Interdisciplinary Research Resources](#)
- [Chat Reference on break during Intercession](#)

Karen Book List



Ambient findability /  
21 reviews @  
LibraryThing  
★★★½

RSS feed icon [Subscribe to this blog!](#)

Authors

**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 state 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

test

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- [New Service](#)
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Jul Aug Sep Oct Nov Dec

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**2006:** Jan Feb Mar Apr [May](#) Jun  
Jul Aug Sep Oct Nov Dec

 All Fields Find Advanced

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[Dreams from my father : a story of race and inheritance](#)

By: Obama, Barack.

Published: (1995)

[The audacity of hope : thoughts on reclaiming the American dream](#)

By: Obama, Barack.

Published: (2006)

[The status of the Negro, from a Negro's standpoint, in his own dialect. A thrilling tragedy in the days of reconstruction.](#)

Anniversary of my seventy-sixth birthday.  
Read before the Little Rock medical society

By: Nash, Charles Edward.

Published: (1900)

[Places of their own : African American suburbanization in the twentieth century](#)

By: Wiese, Andrew.

Published: (2004)

[Fighting words : Black women and the search for justice](#)

By: Collins, Patricia Hill, 1948-

Published: (1998)

## Other Local Copies

[John Jay College of Criminal Justice Library](#)  
 [New York Public Library - Research](#)  
 [New York Public Library, Branch Library](#)  
 [New York University](#)  
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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.

Preview:

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| Copy | Status  | Due Date  | Call Number                  | On Reserve | Location                             | Get It                            |
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| 1    | Charged | 29-APR-09 | E185.97.O23 A25<br>2007 (LC) | N          | SML,<br>Stacks, LC<br>Classification | <a href="#">View in<br/>Orbis</a> |

 All Fields Find Advanced

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By: Wiese, Andrew.

Published: (2004)

Fighting words : African American political discourse in the twentieth century : search for justice

By: Collins, Patricia Hill, 1946-

Published: (1998)

Links to other catalogs  
Could add "GoogleMaps" link too

## Other Local Copies

John Jay College of Criminal Justice Library  
 New York Public Library - Research  
 New York Public Library, Branch Library  
 New York University  
 LaGuardia Community College Library Media

[« Back to Search Results](#) [Cite this](#)  [Save to Endnote](#)  [Download Refworks file](#)**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.

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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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| 1    | Charged | 29-APR-09 | E185.97.O23 A25<br>2007 (LC) | N          | SML,<br>Stacks, LC<br>Classification | <a href="#">View in<br/>Orbis</a> |

# 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 Hackathon, New York Public Library





## Navigation

- Home Page
- Services
- Blog
- Recent changes
- Random page
- Help

## Search

## toolbox

- What links here
- Related changes
- Upload file
- Special pages
- Printable version
- Permanent link

# WorldCat Developer's Network

[edit]

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

**http://worldcat.org/devnet/**

- help
- eng
- 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