



OCLC Grid Services

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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?

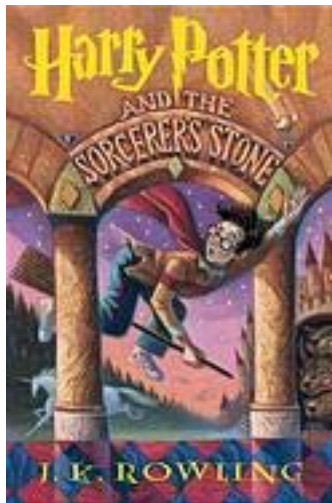


- Gain internal operational efficiencies
- Provide added value to member libraries
- Develop community to advise us on external needs and priorities



- **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 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, Ukranian, Urdu

16 Audio

59 Book

WorldCat Registry

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



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

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

Address <http://www.worldcat.org/registry/institutions/5725>

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](#)

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Profile Summary

University of Washington Libraries

<p>Profile Summary Download this Profile as XML</p> <hr/> <p>Name and Location</p> <p>Identifiers</p> <p>Relationships: Branches Affiliations</p> <p>Services: IP Addresses Online Catalog OpenURL Resolvers Virtual Reference</p> <p>Administrative Information</p> <p>Contacts</p> <hr/> <p>Last updated on 2007-12-11</p>	<p>Institution Name: University of Washington Libraries Also Called: Institution Type: ARL Library</p> <p>Street Address: SUZZALLO LIBR BOX 352900 SEATTLE, Washington 98195-2900 United States</p> <p>Business Address: SUZZALLO LIBR BOX 352900 SEATTLE, Washington 98195-2900 United States</p> <p>Phone: Fax: E-mail Address: Home Page: Information Page: http://www.lib.washington.edu/</p> <p>Services: IP Addresses: Online Catalog: http://catalog.lib.washington.edu OpenURL Resolvers: http://catalog.lib.washington.edu:4550/resserv? http://duwarnish.lib.washington.edu/wwnetid/lliad.dll/OpenURL Virtual Reference:</p>
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Registry Deep Links



Suggest Links

[Clear Suggested](#)

Library System Used:

SirsiDynix - Unicorn

Base URL:

http://catalog.mainlib.org

Online Catalog Direct to ISBN:

http://catalog.mainlib.org/uhtbin/cgisirsi/x/0/0/5/?searchda [test](#)

Online Catalog Direct to ISSN:

http://catalog.mainlib.org/uhtbin/cgisirsi/x/0/0/5/?searchda [test](#)

e-Serial ISSN Search:

[test](#)

Online Catalog direct to OCLC Number:

http://catalog.mainlib.org/uhtbin/cgisirsi/x/0/0/5/?searchda [test](#)

Add Leading Zeroes to the OCLC search Term:

Yes

OCLC Number Prefix:

- Do not add prefix to the OCLC Number
- Add ocn/ocm prefix to the OCLC Number
- Add the following custom prefix to all OCLC Numbers

Custom Prefix:

Save Changes

[Cancel Changes](#)

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 SRU	Atom RSS MARCXML Dublin Core	civil war	relevance Author Title Date Ascending Date Descending Library Count Ascending Library Count Descending Score Ascending Score Descending OCLC Number	1	10	default full

Build the Request

```
http://www.worldcat.org/webservices/catalog/search/worldcat/sru?
query=sw%3D%22civil%20war%22
&recordSchema=info%3Asrw%2Fschema%2F1%2Fmarcxml
&sortKeys=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 URI 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 deljcio.us

CIVIL WAR

Lorem 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.

Lorem ipsum

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Lorem ipsum

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Lorem ipsum dolor sit amet, sollicitudin vitae ut luctus inceptos hendrerit, et amet iaculis nihil a, netus dolor, pede nunc vitae ligula. Hendrerit magna magnis volutpat leo quis, ac dui consectetur in urna amet. Morbi erat pellentesque, leo dui, sit dolor diam urna rutrum. Ipsum fringilla donec justo nunc, venenatis tincidunt semper cras nec tincidunt commodo, wisi sed, ut nulla felis in dui integer, mus tincidunt iaculis. Exercitation amet leo, dictumst fusce in, arcu eu sodales conubia id tortor sed. Penatibus tempus. Tincidunt hendrerit sed viverra quis odit sit, lectus volutpat amet erat laoreet, delectus urna, vestibulum condimentum placerat. Leo ultrices, a lacus dictum felis imperdiet leo, amet molestie fringilla quam, libero justo amet adipiscing, consequat auctor. Nulla enim pede luctus, magna velit mauris gravida pulvinar vivamus, arcu risus at ad sollicitudin, velit veniam. Velit tortor sociis sed et, eget venenatis wisi eget eleifend tincidunt nunc. Lorem velit nulla, dapibus sed, amet magnis massa in.

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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 metus pellentesque libero.

Done 

Demo: highlight citations, summaries, and local libraries



Mozilla Firefox

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

WorldCat® Beta **Web Service Demonstration** [About this prototype](#)

Look for in libraries near

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 zotero

WorldCat Search API and Facebook



The image shows a screenshot of the WorldCat website search results for 'raymond chandler'. The search results include titles like 'The big sleep' and 'The long embrace : Raymond Chandler and...'. Overlaid on this is a CiteMe widget that displays the same search results but formatted as citations. The widget has a search bar with 'raymond chandler' and a dropdown menu showing citation styles: APA, Chicago, Harvard, MLA, and Turabian. The widget output shows citations for 'Chandler, R. (1992). The big sleep...' and 'Freeman, J. (2007). The long embrace: Raymond Chandler and the woman he loved...'.

WorldCat Hello Bruce! Share +

Home Advanced Something to Read Favorite Works

Search for an item in libraries near you

Enter title, subject or author

raymond chandler Search

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 characters in American literature. Yet much of his pre-writing life, including his unconventional marriage to a woman who became the writer who would create in Philip Marlowe an iconic detective character.

CiteMe

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

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

raymond chandler

APA Chicago Harvard MLA Turabian

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

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

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.

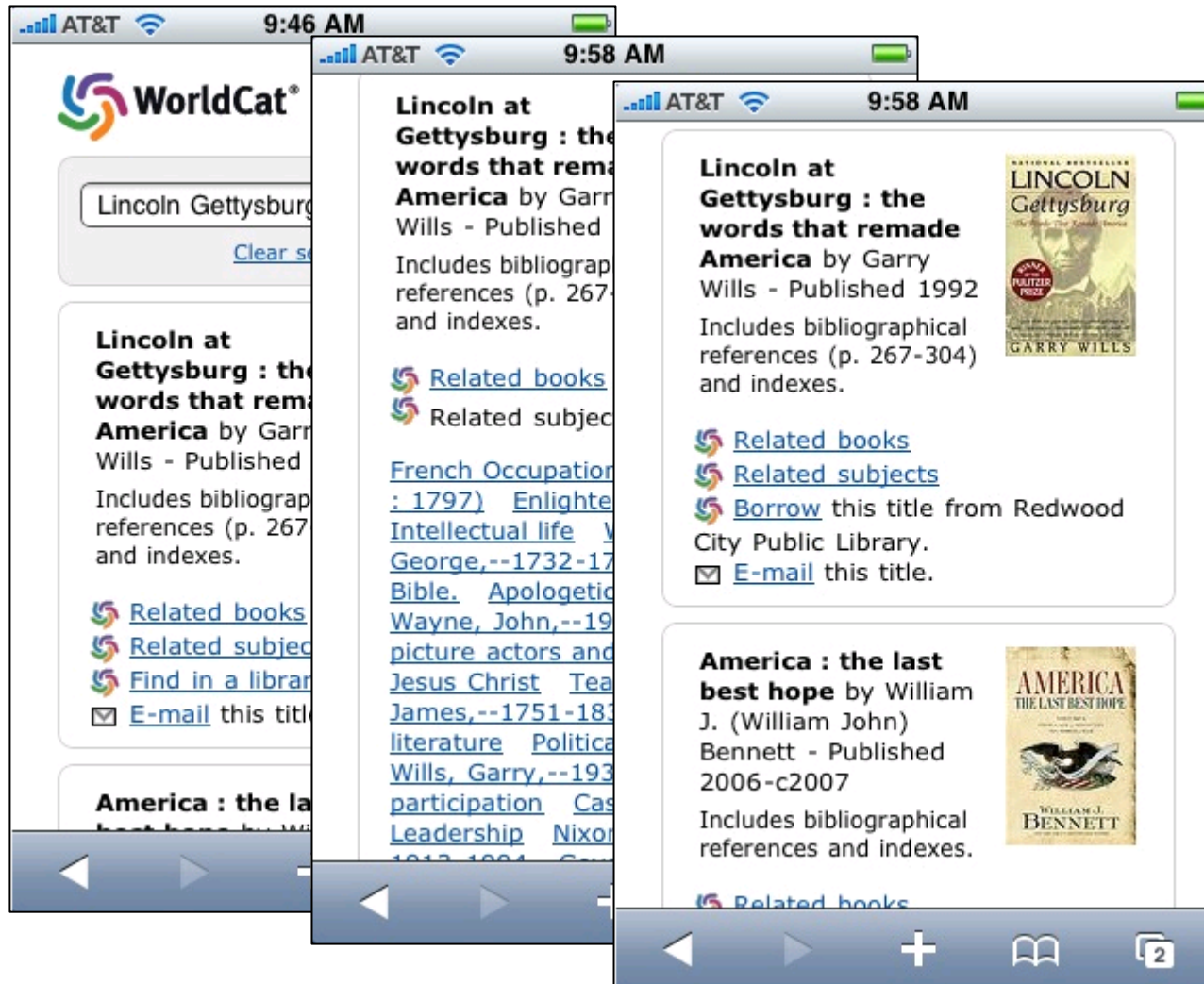
Marling, W. (1986). *Raymond Chandler*. Twayne's United States authors series, TUSAS 508. Boston: Twayne.

Text boxes:

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.

WorldCat Search API and the iPhone



Karen Coombs' WordPress Widget



University of Houston Libraries logo


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testing

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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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Published: (1900)

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Published: (2004)

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Published: (1998)

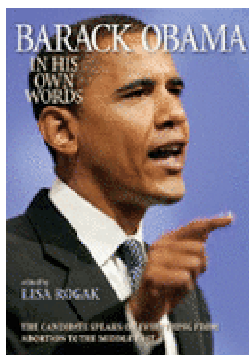
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Barack Obama in his own words /
edited by Lisa Rogak.



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:

More Info

Holdings Description Reviews Excerpt Staff View

Copy	Status	Due Date	Call Number	On Reserve	Location	Get It
1	Charged	29-APR-09	E135.97.O23 A25 2007 (LC)	N	SML, Stacks, LC Classification	View in Orbis

Search bar with "All Fields" dropdown and "Find Advanced" button

Similar Items

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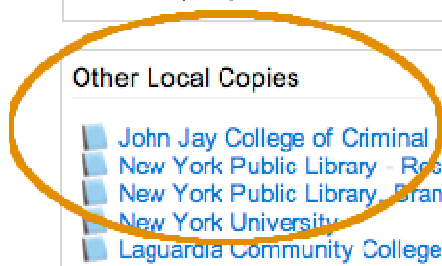


Main Author: Obama, Barack. Other Authors: Rogak, Lisa, 1962-. Language: English. Published: New York : Carroll & Graf, c2007. Subjects: Legislators > Quotations. > United States African American legislators > Quotations. Obama, Barack > Quotations. Preview:

- More Info
Holdings Description Reviews Excerpt Staff View

Table with 7 columns: Copy, Status, Due Date, Call Number, On Reserve, Location, Get It. Row 1: 1, Charged, 29-APR-09, E185.97.O23 A25 2007 (LC), N, SML, Stacks, LC Classification, View in Orbis

Links to other catalogs Could add "GoogleMaps" link too



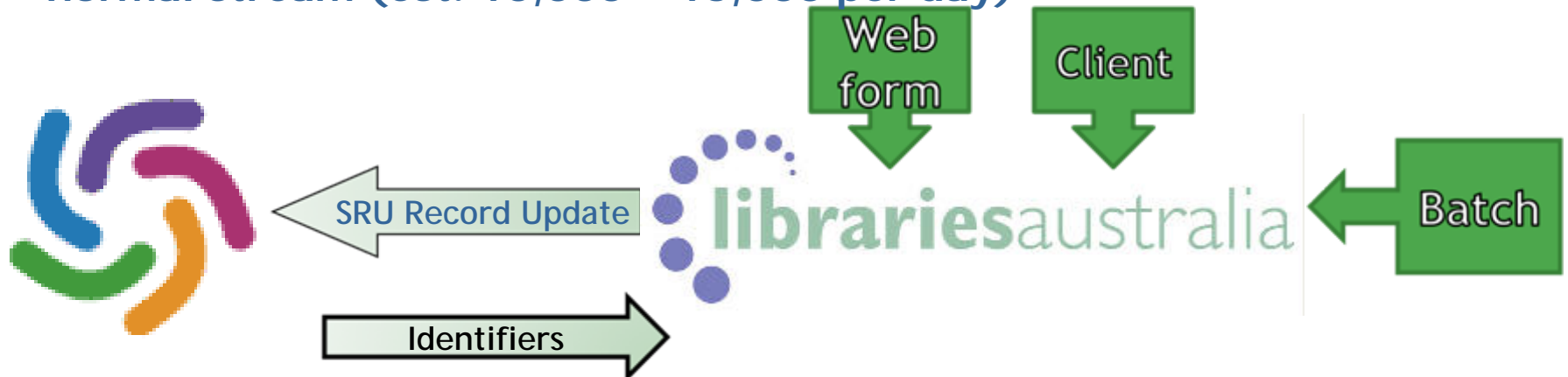
Batch Loading to WorldCat April 2008 ++

- Australia contributed 17 million records, 4.4 million new to WCat

Near Real Time Update

target < 5
secs.

- NLA Live date 16 January 2009
- backlog stream (est. 230,000 transactions since Dec 5 2008)
- normal stream (est. 10,000 – 15,000 per day)



EZproxy - Key Features 5.1



- Remote users authenticated to use licensed databases
- Enables EZproxy to act as a Shibboleth 1.3/2.0 service provider
- Enhanced facilities for implementing complex authentication and authorization policies
- Simplifies SSL certificate management
- Incorporates RedirectSafe (directive) for URL's in which users can be redirected instead of proxied.

WorldCat Grid – Coming Up



- Hosted EZproxy Pilot
- Updates to WorldCat API & xID services
- Data Services Bundle (validation, terminologies, crosswalks)
- European Hackathon (end of April or early May?)

Stay tuned to Developer Network for details...

- 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





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

- 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

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

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