EVERY
CONNECTION
has a
starting point.

OCLC Grid Services

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OCLC Research

What is OCLC Grid Services?

OCLC™

- 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**

xISBN

- **Find all related editions of a book or serial**

- **Easily incorporated into library catalogs, Web sites, and other library applications**
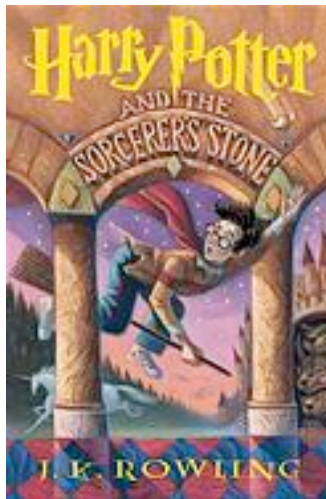
100+ ISBNs for *Sorcerers Stone*

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

OCLC™

- 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 Profile Example

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

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

Demo: highlight citations, summaries, and local libraries

WorldCat Search API and Facebook

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
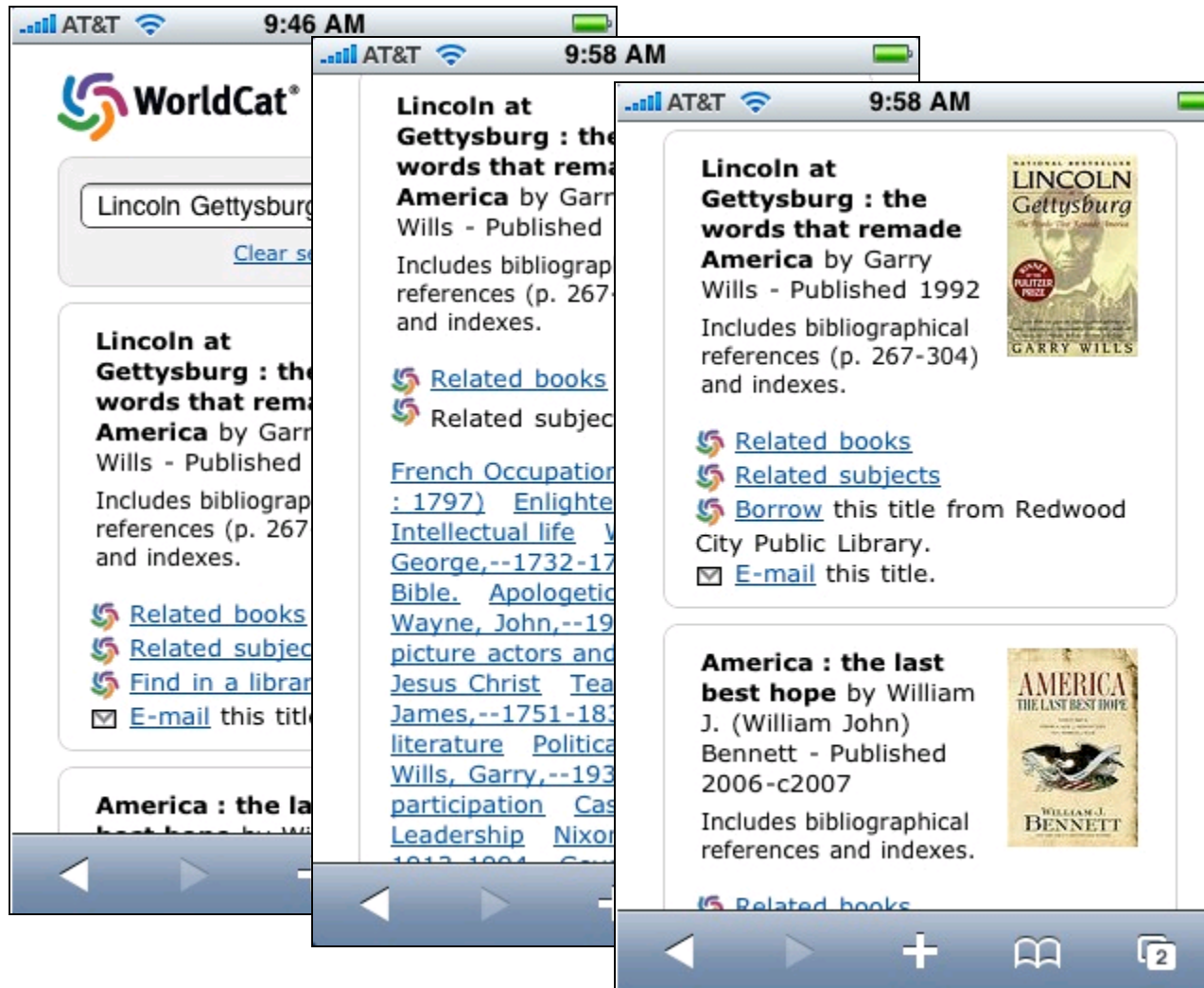
Karen Coombs' WordPress Widget

Y http://yufind.library.yale.edu/yufind/Record/7840880

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Barack Obama in his own words /
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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.
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Links to other catalogs
Could add a "GoogleMaps" link too

Developer's Network

OCLC™

- 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

Rtennant   my talk   my preferences   my watchlist   my contributions   log out

article   discussion   edit   history   unprotect   delete   move   unwatch

[edit]

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.

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

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- Services
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