The Future of the OPAC
Newfoundland & Labrador Library Association
May 2nd, 2008

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Emerging Services Librarian

Memorial University Libraries

State of the OPAC

- Old technology, proprietary architecture
- Not easy to customize or integrate with other services
- Weds an inventory control tool with a discovery tool
- Functions reasonably well for locating known physical items cataloged within the library's collection.
- Marketplace provides a disincentive for vendors to re-write their ILS "code monolith"

State of the OPAC: ILS Vendors

Company	ILS Product	Market	Open Source
Innovative Interfaces	Millenium	Academic	N
SirsiDynix	Symphony	Public, Academic, K-12	N
Ex Libris	Aleph, Voyageur	Academic	N
Follet	Destiny	K-12	N
Auto Graphics	AGent VERSO	Small libraries	N
Polaris	Polaris ILS	Public	N
TLC	CARLX	Public	N
LibLime	Koha	Small libraries	Y
Equinox	Evergreen	Public	Y

Missing OPAC Functionality

- Spell checking
- RSS Feeds
- De-duping (FRBR)
- Relevancy Ranking
- Faceted search results
- User-generated reviews
- End-user tagging, bookmarking, alerting services
- Support for non-MARC formats
- Integrated searching with other sources

OPAC Add-Ons

Company	Add-On Product	Features
Innovative Interfaces	Encore	Relevancy, Facets, Tagging, Ratings, Federated Search
SirsiDynix	Enterprise, Single Search	Relevancy, Facets, Federated Search
Ex Libris	Primo, Metalib	Relevancy, Facets, Federated Search
LibLime	Koha Zoom	Integrated Federated Search
TLC	Endeca, Aquabrowser	Relevancy, Facets, Visual Search
Serials Solutions	360, Webfeat, Vivisimo	SaaS, Facets, Federated Search
OCLC	Worldcat Local	SaaS, Facets
Homegrown/Open Source	Scriblio, VuFind, Drupal, Fac-Back-OPAC (Solr)	OPAC Replacements, Relevancy, Facets, Tagging, Reviews

The Big Issues

- Maintenance

- Search

- User-generated content

- Integration

Maintenance

Maintenance: Solutions

- High overhead for maintaining MARC records
- Authorities processing services (e.g. Marcive)
- TOC services (e.g. Blackwell's North America)
- Content Enrichment (e.g. book covers, reviews, author bios)
- Serials Solutions MARC record service
- OCLC delivery of MARC records that match the materials you order through vendors, library holdings automatically updated in WorldCat.
- Software as a Service: Remote hosting of ILS/OPAC

Maintenance: WorldCat Local

- Uses bibliographic records from Worldcat.org
- Relevancy ranking
- Multiple versions of a work together under one record
- Faceted browse
- Citation formatting/exporting
- Cover art and additional evaluative content.
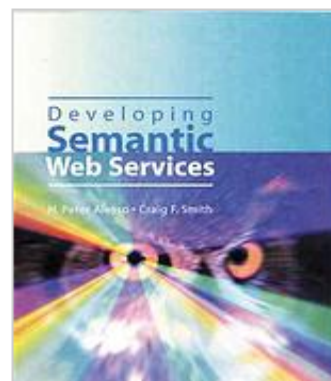
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Search: semantic web   University of Washington Libraries ▾   Go   Advanced Search

Developing Semantic Web services
by H P Alesso; C F Smith

Type:	🔷 Book; English
Publisher:	Natick, Mass. : A K Peters, ©2005.
Editions:	6 Editions
ISBN:	1568812124 9781568812120
OCLC:	54822014
Related Subjects:	Semantic Web.	Web services.	Web sémantique.	More Subjects ...
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Tacoma Stacks	TK5105.88815 .A55 2005 text	AVAILABLE
Tacoma Media	TK5105.88815 .A55 2005 disc	AVAILABLE
Bothell/CCC Stacks	TK5105.88815 .A55 2005 text	AVAILABLE
Bothell/CCC Circ Desk	TK5105.88815 .A55 2005 disc	AVAILABLE

Search

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Athens County Public Libraries

Your Account

Search | Library Catalog ∨ | [   ] | **Search** | **Advanced Search**

"salmon rushdie" returned 12 results. Limit to **currently available items.** 📶

| **Refine Your Search** | Field-weighted, Relevance Ranked ∨ | **Re-sort** | **[?]** |

Places

Jammu and Kashmir (I... (1)

South Asia (1)

India (1)

New York (N.Y.) (1)

Topics

Popular music (6)

Composers (2)

Talking Books. (2)

Women singers (2)

Photographers (2)

　　　Show More

Branches

Athens (11)

Wells (Albany) (4)

East, west by **Rushdie, Salman.**

- Random House, ; New York, NY : - 2 sound cassettes (3 hrs.) : : Unabridged..

Copies available at: Athens (1),

　AC Rushdie　　　　　　　　　　　　📄 **Place Reserve**

Fury : a novel / by **Rushdie, Salman.**

- 2001 - Random House, ; New York : - 259 p. ; ; 25 cm.

Copies available at: Wells (Albany) (1), Athens (1),

　AF Rushdie　　　　　　　　　　　　📄 **Place Reserve**

The Moor's last sigh / by **Rushdie, Salman.**

- 1996 - Pantheon Books, ; New York : - 435 p. : ; 25 cm.

Copies available at: Wells (Albany) (1), Athens (1),

　AF Rushdie　　　　　　　　　　　　📄 **Place Reserve**

Search: Spelling

- Third party add-on: Lucien spell check

Search: Relevancy ranking

- Traditional Boolean, Last-in First-out sorting is not very good for large result sets or full-text indexes.

- Relevancy ranking algorithms are based on:

  - Term frequency
  - Inverse document frequency (the fewer times the term shows up in the entire database, the more important, or unique, it is.)
  - Field weighting (allows a word to be considered more relevant if it appears in certain fields e.g. 245)
  - Proximity of query words
  - Stemming: variant word forms

http://www2.lib.ncsu.edu/catalog/?Nty=1&N=0&Ntt=million&Ntk=K

relevancy ranking OPAC

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Anywhere

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☐ Currently available
☐ Available online
☐ New titles

⊟ **Subject**

History (244)
United States (164)
Politics and government (80)
Finance (65)
Appropriations and
   expenditures (55)
                    Show more

⊟ **Genre**

Congresses (83)
Fiction (82)
Biography (60)
Early works to 1800 (59)
Broadsides (50)
                    Show more

⊟ **Format**

Book (1327)
Online (416)

Results **1** - **10** of **1825**   Sort By: Relevance ▼

Brief View | Full View

1.   **The Spanish earth [videorecording] ; The 400 million.**
     Published: c2000.
     Format: ◉ Video DVD
     D.H. Hill Library
     Media Collection   PN1997.99 .S6883   Available
     (2nd floor, West   2000
     Wing)

2.   **Million Man March/Day of Absence : a commemorative
     anthology : speeches, commentary, photography, poetry,
     illustrati...**
     Published: [c1996]
     Format: ◆ Book
     D.H. Hill Library
     Stacks (3rd floor)   E185.86 .M54 1996   Available
     Satellite Shelving Facility
     Stacks   E185.86 .M54 1996   Available
     African American Cultural Center Reading Room
     Stacks   E185.86 .M54 1996   Available
     Stacks   E185.86 .M54 1996   Available
     Stacks   E185.86 .M54 1996   Available

3.   **D&B million dollar directory**
     Published: 1997-
     Format: ▥ Serial

🌐 Internet   🔍 100% ▼

http://libcat.mcmaster.ca/index.jsp?Ntt1=canada&Ntx1=mode+mat... | macmaster

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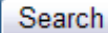
Call Number

▶ Publication Year

▶ Location

▶ Format

▼ Subject

History (5)
Bills, Legislative (3)
Constitutional law (3)
History Sources (2)
Representative government... (2)
Elgin, James Bruce, Earl ... (2)
Foreign relations (1)
Description and travel (1)
Commerce (1)
Emigration and immigratio... (1)
Appropriations and expend... (1)
Colonization History (1)
Legislative bodies Reform (1)
Metcalfe, Charles Theophi... (1)
Administrative acts (1)
Lower Canada. Special Cou... (1)

▶ Publication Type

▶ Language

33 matching items.
You searched in 'Anywhere': canada (remove)
You browsed by Subject: Politics and government (remove)
You browsed by Subject: Colonies Administration (remove)

Results/page: 20

1.   **Canada** [electronic resource] : return to an address of
     the Honourable the House of Commons, dated...
     Author/Editor: Great Britain. Colonial Office.
     Published: [London : s.n., 1830]
     Link to online resource - *McMaster only
     e-Book   Online

2.   **Canada** [electronic resource] : further correspondence
     relative to the affairs of Canada
     Author/Editor: Great Britain. Parliament.
     Published: [London : HMSO, 1840]
     Link to online resource - *McMaster only
     e-Book   Online

3.   ...extracts of correspondence relative to the reunion of
     the provinces of Upper and Lower **Canada** [el...].
     Author/Editor: Great Britain. Parliament.
     Published: [London : HMSO, 1840]
     Link to online resource - *McMaster only
     e-Book   Online

Search: Visualization

- Translations, spelling variations, related terms are presented as a clickable map beside the search results.

- Clicking on a term helps to refine your original search .

- Aquabrowser, Grokker

User Generated Content

User Generated Content: Tagging

- Allows end users to book mark items
- Allows professors to tag books for their classes
- Allows instruction and reference librarians to tag books for specific assignments
- Allows collection librarians to tag gifts with donor name

User Generated Content: Tagging

Refine by:

▶ SEARCH FOUND IN
Title (11)
Subject (10)
▶ FORMAT
PRINTED MATL (16)
▶ COLLECTION
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Collection (1)
Special Collections (1)
▶ LANGUAGE
English (16)
▶ PUBLISH DATE
2006 (1)
2005 (2)
2004 (3)
2003 (6)
2002 (2)
+ more

Sorted by Relevance | Title | Date

◻◻◻◻◻ (1 - 9) Most Relevant

The Semantic Web : crafting infrastructure for agency   2006
Leuf, Bo.
Chichester, England ; Hoboken, NJ : John Wiley, c2006.
AVAILABLE - Storage - TK5105.88815 .L48 2006
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Stuckenschmidt, Heiner.
Berlin ; New York : Springer, c2005.
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Antoniou, G. (Grigoris)
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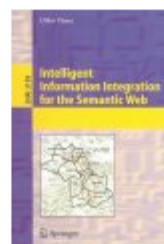
Intelligent information integration for the Semantic Web   2004
Visser, Ubbo.
Berlin ; New York : Springer, c2004.
AVAILABLE - Storage - TK5105.88815 .V58 2004
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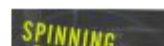
Spinning the semantic Web : bringing   2003

Recently Added:

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A sem... Web

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Ca         Detroit Tigers : heart-pounding,
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           Cantor, George, 1941-
           Chicago : Triumph Books, c2008
           178 p
           ISBN1600780520

                          Go Tigers
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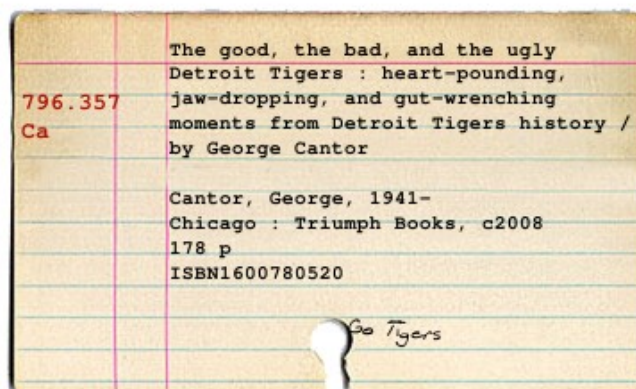
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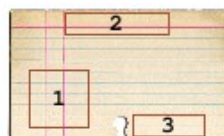Grant Information
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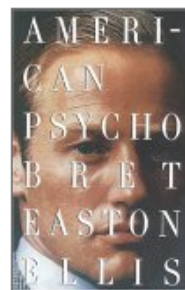Your search found 33 items with all of the following terms:

- Keyword: american psycho [x]

Click [x] to remove a term, or use the facets in the sidebar to narrow your search.
What are facets? Results sorted by keyword relevance.

1   2   3   Next »

American Psycho : A Novel

by Bret Easton Ellis
Book1991

DescriptionNow a major motion picture from Lion's Gate Films starring Christian Bale (Metroland), Chloe Sevigny (The Last Days of Disco), Jared Leto (My So Called Life), and Reese Witherspoon (Cruel Intentions), and directed by Mary Harron (I Shot Andy Warhol). summarized from Amazon.com

TagsEllis, Bret Easton

Availability

LOCATION	CALL #		STATUS
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(UPPER LEVEL)	PS3555.L5937 A8 1991	c.2	AVAILABLE

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violence in motion pictures
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The kite runner

by Khaled Hosseini

Members	Reviews	Popularity	Average rating	Conversations
13,536	380	45	★★★★½ (4.3)	125

Recently added by: **selddine**, **darlingmisty**, **pioneercynthia**, **BurlingtonNorthern**, **clind07**, **jadfair**, **kgsimms** (see more)

Member reviews

Showing 1-3 of 380 (next | show all)   date ▼ | votes

> A gripping story of friendship, betrayal and forgiveness/redemption. When I finished this book I told everyone I knew about it. (★★★★★)
>
> **kims-embroidery | Apr 27, 2008 |** ∞

> I agree with everyone who wrote that this is a wonderful book and a must read... I must say that it was just too depressing and it seemed to become more and more depressing as it went on. I just didn't love the way the book made me feel. (★★★)
>
> **quiebus | Apr 27, 2008 |** ∞

> Winner of the Penguin/Orange Reader's Group Prize 2006 and 2007 this book was a compelling read. Ranging from the cold Afghanistan winter of 1975 with friends Amir and Hassan in Kabul flying kites to the plight of refugees fleeing to Pakistan in the most appalling of circumstances we follow Amir to America and finally his return to his homeland in 2001.
>
> At times it is an almost unbearably sad and tragic tale. There are striking contrasts between terror and tenderness, love and the cowardice and vengefulness of bullying. The main theme is one of 'giving' in boundless amounts yet not asking for anything in return as exemplified in Hassan's

Sidebar

- Main page
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Integration

Integration: Widgets

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Or, search by course instructor.

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Use the Library Catalogue to search for books.

[   ]

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Here are some suggested subject searches in the Library Catalogue:

- Folklore - Newfoundland and Labrador
- Tales - Newfoundland and Labrador
- Newfoundland and Labrador - Social life and customs
- Folk music - Newfoundland and Labrador

Integration: RSS Feeds

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- New Books

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- Art as theology : from the postmodern to the medieval / Andreas Andreopoulos.
- Manhood, marriage, and mischief : Rembrandt's Night watch and other Dutch group portraits / Harry Berger, Jr.
- Think like an architect / Hal Box.
- Indian art in detail / A.L. Dallapiccola.
- Vision, reflection, and desire in western painting / David Summers.

Integration: Linking & Bookmarking

- From "Scriblio" at Plymouth State

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Newsvine   Furl   Tailrank   Ma.gnolia   Netscape   Yahoo! My Web

Google Bookmarks   Technorati   Windows Live

Integration: Union Indexes

- BlackLight at University of Virginia
  - ~3.7M MARC records
  - ~500 text object subset from the <u>Digital Collections Repository</u>
  - 320 Tang Dynasty Chinese poems from the <u>Chinese Text Initiative</u>
- Records are harvested into Solr/Lucene, and a common XML structure is applied to allow for searching and sorting of several sources simultaneously

http://www.lib.virginia.edu/digital/resndev/blacklight.html

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English

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Semantic Web services, processes and applications /
edited by Jorge Cardoso, Amit P. Sheth.

Other Authors:	Cardoso, Jorge, | Sheth, A.
Language:	English
Published:	New York, NY : Springer, c2006.
Series:	Semantic web and beyond ;
Topic:	Semantic Web. - Web services.
Tags:	No Tags, Be the first to tag this record! ⊕ Add

Similar Items

◆ Semantic web services concepts, technologies, and applications

◆ Developing Semantic Web services

◆ Semantic Web concepts, technologies and applications

◆ Enabling semantic web services the web service modeling ontology

◆ Reliable distributed systems technologies, Web services, and applications

Holdings   Description   Comments   Reviews   Staff View

Copy	Status	Due Date	Call Number	On Reserve	Location	Get It
1	Available		005.713 S471 005.713 S 471		FM-3-NORTH	Place Hold

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WorldCat (worldwide catalog)

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Trends

- Decoupling the front-end interface from the back-end ILS

- Relevancy ranking & facets

- User-generated content

- Portability, exposing metadata to mash-ups

- Open architecture & web standards

- Catalogue as one of many useful targets

Further Reading

- Blyberg, John. ILS Customer Bill-of-Rights. Blyberg.net, 2005.
  http://www.blyberg.net/2005/11/20/ils-customer-bill-of-rights/

- Tennant, Roy. Digital Libraries: "Lipstick on a Pig". Library Journal, 2005.
  http://www.libraryjournal.com/article/CA516027.html

- Schneider, Karen. How OPACs Suck, parts 1-3. ALA Techsource, 2006.
  http://www.techsource.ala.org/blog/2006/03/how-opacs-suck-part-1-relevance-rank-or-the-lack-of-it.html

- Tennant, Roy. "Lipstick on a Pig 2.0", Library Journal. May 24, 2007.
  http://www.libraryjournal.com/blog/1090000309/post/220009022.html

- Schneider, Karen. Out of the Secret Garden: The RDA/DC Initiative. June 2007.
  http://www.techsource.ala.org/blog/2007/06/out-of-the-secret-garden-the-rdadc-initiative.html

Further Reading

- Tennant, Roy. "Coyle on RDA", Library Journal. March 26, 2008
  http://www.libraryjournal.com/blog/1090000309/post/1950023995.html

- JISC & SCONUL. Library Management Systems Study: An Evaluation and horizon scan of the current library management systems … for UK higher education. March 2008
  http://www.jisc.ac.uk/media/documents/programmes/resourcediscovery/lmsstudy.pdf

- lNGC4LIB listserv (Next Generation Catalogs for Libraries)
  http://listserv.nd.edu/archives/ngc4lib.html

- Web4LIB discussion list http://lists.webjunction.org/web4lib/

- Lorcan Dempsey's blog, "Of libraries, services and networks".http://orweblog.oclc.org/

- Marshall Breeding. Library Technology Guides & Automation System Marketplace.
  http://www.librarytechnology.org/

Thank You.