The power of global cooperation

Jay Jordan
President and CEO
OCLC
Public purposes:
Further access to the world’s information
Reduce the rate of rise of library costs

72,035 libraries in 170 countries
New OCLC governance structure

- **Members**: 25,900+ institutions
- **Regional Councils**: 3 councils
- **Global Council**: 48 members
- **Board of Trustees**: 16 trustees
OCLC’s Member leadership

Asia Pacific Regional Council

EMEA Regional Council

Americas Regional Council

Global Council
OCLC strategic directions

Develop new Web-scale services with libraries

and

Maintain and enhance existing services
Fiscal 2011: Enhancements to library management systems

- CBS 6.0
- Amlib 5.3
- OLIB 8.1
- SunRise V4.0
- LBS4
- TouchPoint 1.6
OCLC systems

Servers:
- 750 Intel / AMD
- Highly virtualized
- 1 IBM Mainframe

Storage:
- 600 Terabytes
- 10,000 slot Tape Library

Data Centers:
- Dublin, Westerville, Ohio (today)
- EMEA, Australia—2011
- Canada, EMEA 2—2012

Operations Center, Kilgour Building, Dublin, Ohio, USA
22 million transactions a day!

Transactions Per Second (TPS):

peak: 400 transactions per second
average: 225 transactions per second

Average Response time:
<.5 seconds

Maximum concurrent sessions:
15,000
## Availability snapshot: Fiscal 2011

<table>
<thead>
<tr>
<th>Service</th>
<th>Monthly</th>
<th>Quarterly</th>
<th>Fiscal year to date</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Services</td>
<td>100.00%</td>
<td>99.97%</td>
<td>99.88%</td>
</tr>
<tr>
<td>Connexion</td>
<td>100.00%</td>
<td>100.00%</td>
<td>99.94%</td>
</tr>
<tr>
<td>Resource Sharing</td>
<td>100.00%</td>
<td>100.00%</td>
<td>99.93%</td>
</tr>
<tr>
<td>WMS</td>
<td>100.00%</td>
<td>99.52%</td>
<td>99.56%</td>
</tr>
<tr>
<td>WorldCat Local</td>
<td>100.00%</td>
<td>99.97%</td>
<td>99.83%</td>
</tr>
</tbody>
</table>
WorldCat growth since 1998

Millions of records

- 1998: 39
- 1999: 41
- 2000: 44
- 2001: 47
- 2002: 50
- 2003: 52
- 2004: 55
- 2005: 61
- 2006: 67
- 2007: 86
- 2008: 108
- 2009: 139
- 2010: 197
- 2011: 235
### Multilingual WorldCat

**Percentage of records for non-English materials**

<table>
<thead>
<tr>
<th>Language</th>
<th>Records</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>97.7m</td>
</tr>
<tr>
<td>German</td>
<td>33.0m</td>
</tr>
<tr>
<td>French</td>
<td>21.3m</td>
</tr>
<tr>
<td>Spanish</td>
<td>9.7 m</td>
</tr>
<tr>
<td>Japanese</td>
<td>7.5 m</td>
</tr>
<tr>
<td>Chinese</td>
<td>5.9 m</td>
</tr>
<tr>
<td>Italian</td>
<td>3.9 m</td>
</tr>
<tr>
<td>Dutch</td>
<td>3.5 m</td>
</tr>
<tr>
<td>Russian</td>
<td>3.2 m</td>
</tr>
<tr>
<td>Latin</td>
<td>3.2 m</td>
</tr>
</tbody>
</table>

Total Records: 235.5 m

30 June 2011
WorldCat: Happy 40th!

26 August 1971
OCLC: Building Web scale *with* libraries

Represent the full range of member collections and services where the library user is

Create system-wide efficiencies in library management

Build global infrastructure which is responsive to local conditions

Advance the future of libraries through research, advocacy and community making
OCLC Research: Agenda

1. Research information management
2. Mobilizing unique materials
3. Metadata support & management
4. Infrastructure & standards support
5. System-wide organization
6. User behavior studies & synthesis

Research
Exploration, innovation and community for libraries, archives and museums
We are looking at how research libraries can operate more efficiently by cloud-sourcing legacy print collections.
Virtual International Authority File

Principals
• Library of Congress/NACO
• Deutsche Nationalbibliothek
• Bibliothèque nationale de France
• OCLC

Contributors
National Library of Australia
National Library of the Czech Republic
Bibliotheca Alexandrina (Egypt)
Getty Research Institute
National Library of Israel
Istituto Centrale per il Catalogo Unico (Italy)
Biblioteca Nacional de Portugal
Biblioteca Nacional de España
National Library of Sweden
Swiss National Library
Vatican Library
NUKAT Center (Poland)
Library and Archives Canada
National Széchényi Library (Hungary)
RERO (Switzerland)
Russian State Library [Currently in test]
Applied research, community building and prototyping of services in support of research and learning
WorldCat Local: More than books!

193 million books and...

- 526+ million articles
- 11+ million e-books
- 1,424 databases/collections

Direct links to full-text articles and open-access objects
WorldCat Local: Mobile access included
### Representing the collective collection

2.1 billion items and growing!

<table>
<thead>
<tr>
<th>Physical holdings in WorldCat</th>
<th>Licensed digital content/articles in library collections</th>
<th>Local library content being digitized</th>
</tr>
</thead>
<tbody>
<tr>
<td>239 million bib records</td>
<td>526.6 million records</td>
<td>30 million items (Google, HathiTrust, OAIster)</td>
</tr>
</tbody>
</table>
Developer Network

170 registered members
70 applications built
20 million calls/month

Most popular
WorldCat Search API
xISBN, xISSN
WorldCat Registry
WorldCat Identities
QuestionPoint Knowledge Base
xOCLCNUM
CITAVI citations

Citavi

Reference Management & Knowledge Organization

• Search over 4000 databases and library catalogs
• Add books automatically by ISBN and journal articles by DOI
• Built-in preview for PDF, text, image, and multimedia files
• Publish in over 700 citation styles
• Organize knowledge: save quotations, thoughts, and comments
• Plan and track tasks
• Collaborate in a team

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References

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Full Text

Knowledge

Tasks

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WorldCat knowledge base: shortest path to full text

End users get full text the library subscribes to.
Change in the library: the impact of OCLC Web-scale Management Services
WMS early adopters:
Norway, The Netherlands, Canada
What’s ahead?
What’s ahead: 2012

New functionality for management systems:

- CBS
- Amlib
- BIBLIOTHECA
- LBS
- OLIB
- SunRise
What’s ahead:
Improve quality control

Global Library and Museum Identifier (GLIMIR)
What’s ahead:
New platform

• open
• extensible
• extended
What’s ahead:
New platform

• framework
• architecture
• infrastructure
Fred Kilgour’s Strategic Plan—1967

- Online union catalog and shared cataloging
- Serials control
- Technical processing (acquisitions)
- Interlibrary loan
- Retrieval by subject (reference)
- Remote catalog access and circulation control
Newton, Isaac Sir 1642-1727

Overview

Works: 3,214 works in 6,324 publications in 45 languages and 151,683 library holdings
Genres: Early printed books
Subject Headings: Physicists--Great Britain Mathematicians--Great Britain Scientists--Great Britain
Roles: Editor, Other, Dedicattee, Illustrator
Classifications: qa803, 531

Publication Timeline

Key
- Publications about Isaac Newton
- Publications by Isaac Newton
- Publications by Isaac Newton, published posthumously.

Most widely held works about Isaac Newton

- Isaac Newton by Kathleen Krull (Book)
- Isaac Newton by James Gleick (Book)
Einstein, Albert 1879-1955

Overview

Works: 5,134 works in 9,955 publications in 59 languages and 306,703 library holdings

Genres: Letters Diaries

Subject: Physicists Physicists--Germany Physicists--United States

Headings:

Roles: Editor, Honoree, Dedicatee, Author of introduction, Other, Correspondent, Collaborator, Interviewee, Speaker, Narrator, Author of afterword, colophon, etc., Performer

Classifications: qc16.e5, 530.1

Publication Timeline

Key
- Publications about Albert Einstein
- Publications by Albert Einstein
- Publications by Albert Einstein, published posthumously.