

Moving Library Management to the Network Level at Webscale



EVERY
CONNECTION
has a
starting point.

Roy Tennant

Based on slides from Andrew Pace

The web is all about scale, finding ways to attract the most users for centralized resources, spreading those costs over larger and larger audiences as the technology gets more and more capable.

Chris Anderson

On average, businesses spend 70% of their time building and maintaining and worrying about infrastructure, and 30% of their time focused on the ideas that propel their business forward.

Web-scale computing is helping to invert the 70/30 ratio, enabling you to spend your energy creating the difference that will make your business successful.

Amazon

Webscale for Libraries

Library Scale: Annual Transactions

(Thanks to colleagues Tam Dalrymple & Mike Teets)



Libraries Worldwide	1,212,383
Books: physical processing	15,517,196,010
Back-office transactions	61,879,349
OPAC searches	105,607,800,600
Database searches	36,555,852,000
Circulation / ILL	4,983,393,968
+ Adds/deletes; patron record maintenance	

Annual Transactions

166,041,975,140

18,954,563 transactions / day

5,265 transactions / second

Build Webscale for libraries

Create a compelling
user environment

Make WorldCat Grid Services a
valued part of library operations

Increase OCLC's global
relevance and position of trust

Create system-wide efficiencies
in library management



OCLC exists to create **systemwide efficiencies** in the management of libraries and to **increase their impact** in compelling user environments.

The key to each of these goals in a web environment is **scale** and the **delivery of the benefits of scale** to as many libraries and library users as possible.

Building Web-Scale

Future library management environment



Network-based

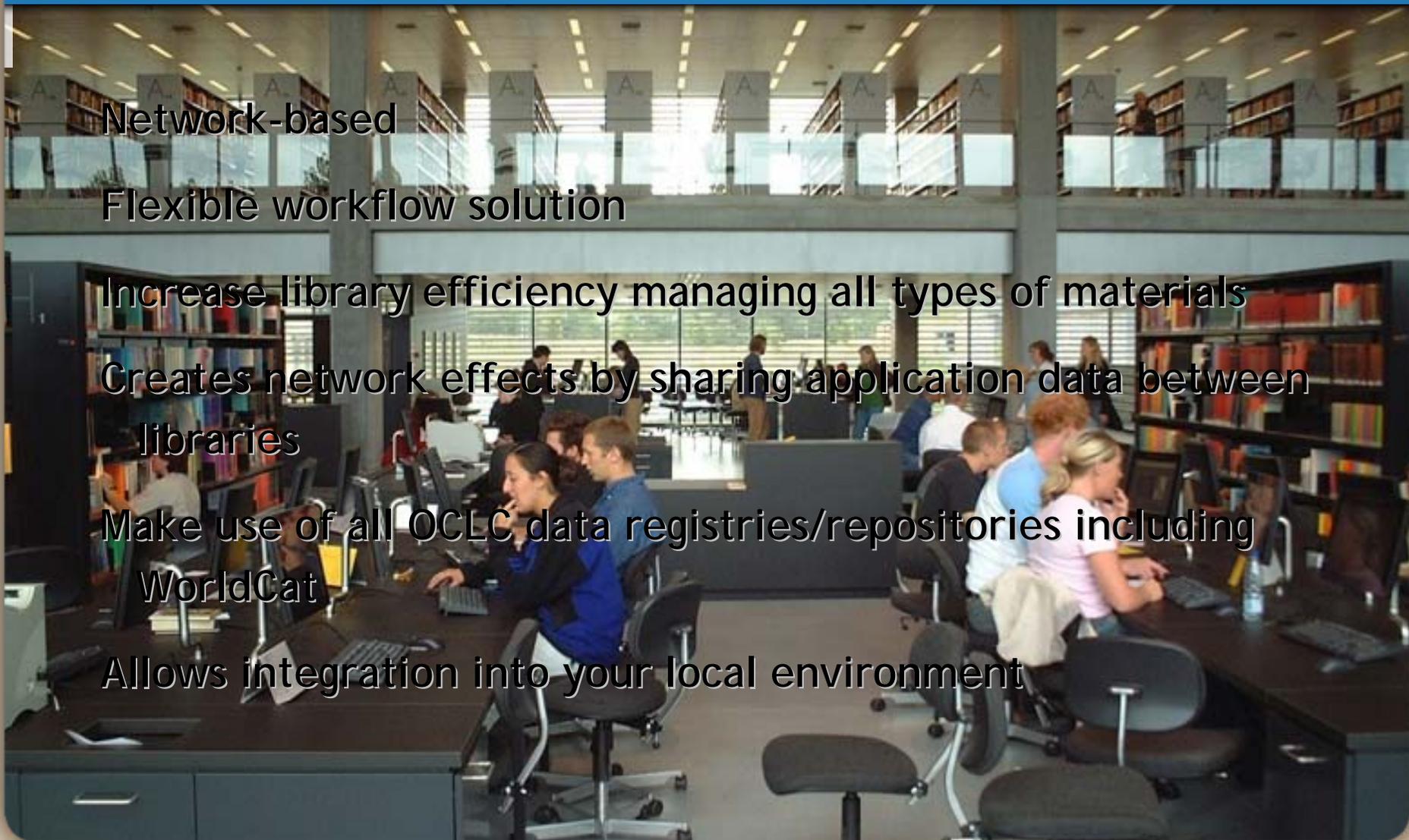
Flexible workflow solution

Increase library efficiency managing all types of materials

Creates network effects by sharing application data between libraries

Make use of all OCLC data registries/repositories including WorldCat

Allows integration into your local environment



“Webscale workflow”—Objectives and Priorities



1. Enable basic functionality of library management workflows;
2. Reduce total cost of ownership
3. Embrace service architecture to enable service-level interactions with other business process systems;
4. Provide basic functionality on the network at Webscale; and
5. Create immediate—and expose the potential for future—network effects through shared metadata, group identity management, discovery, materials lending, financial transactions, socialization, service resolution, collection management, and reporting / business intelligence.

Why do it?



- Potential benefits:
 - patron satisfaction
 - library visibility on the web
 - staff workflow improvements
 - financial savings
- Also has the potential to open up a new world of process, policy, and technical services sharing that has never been possible before.