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Electronic Resources Simplicity

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Electronic Resources Simplicity

JANETTA WATERHOUSE AND REBECCA NOUS

ENUG 2018

Library Technology Schema

Build on what you know



Resources

Books

- Catalog
- WorldCat

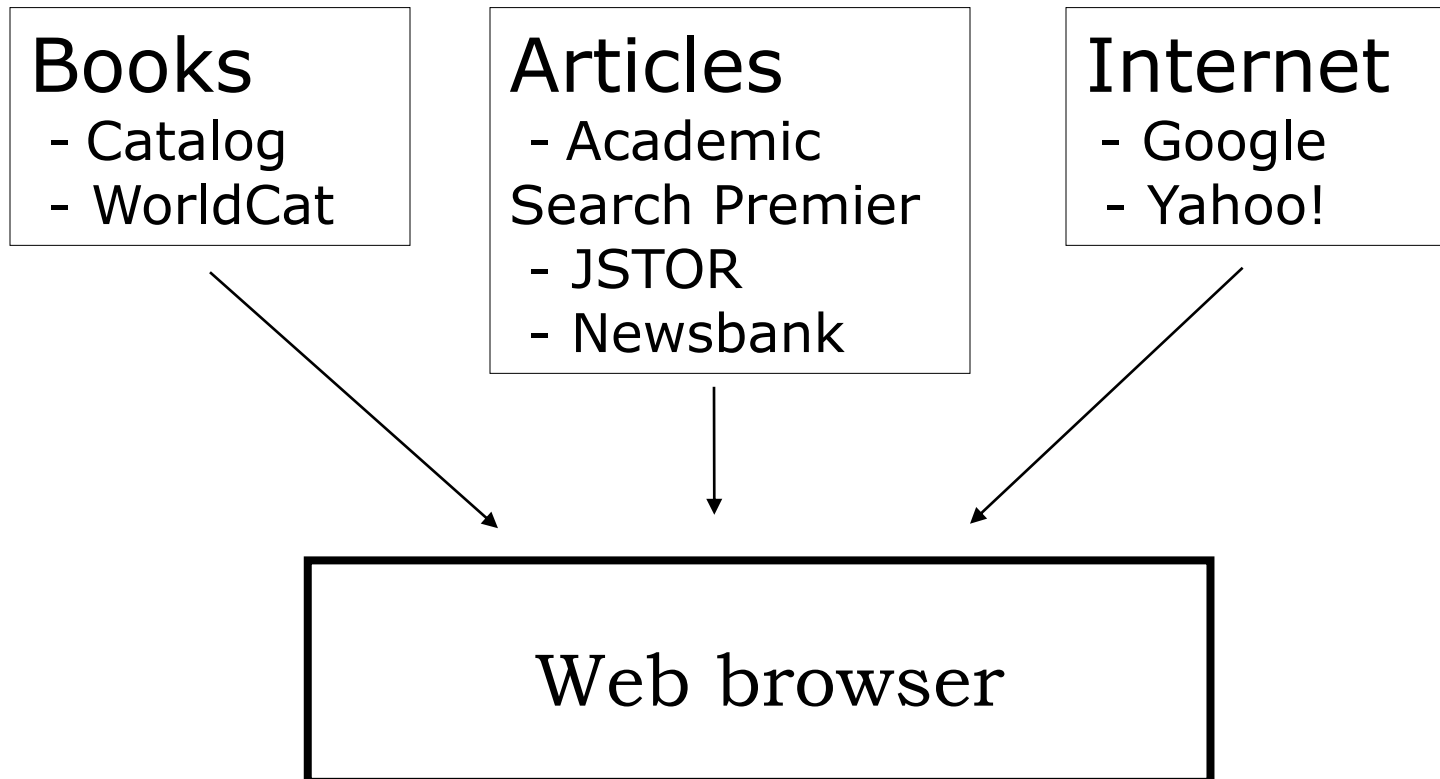
Articles

- Academic Search Premier
- JSTOR
- Newsbank

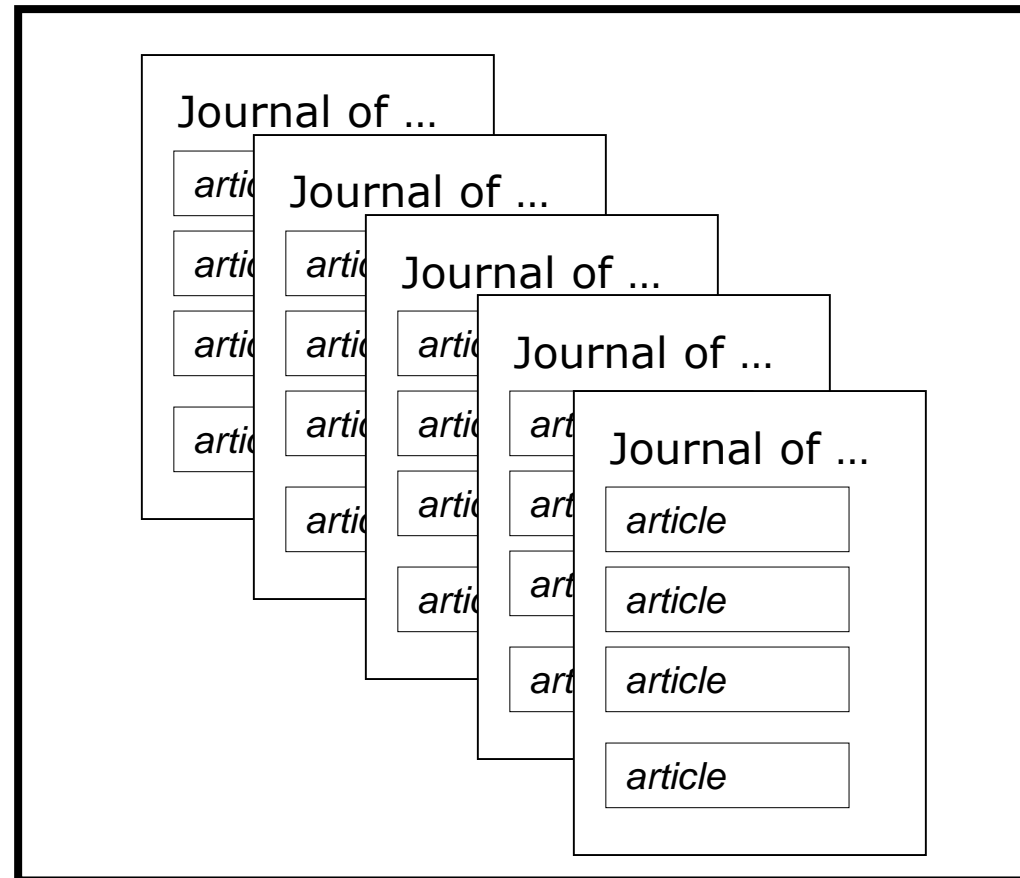
Internet

- Google
- Yahoo!

Accessing Resources

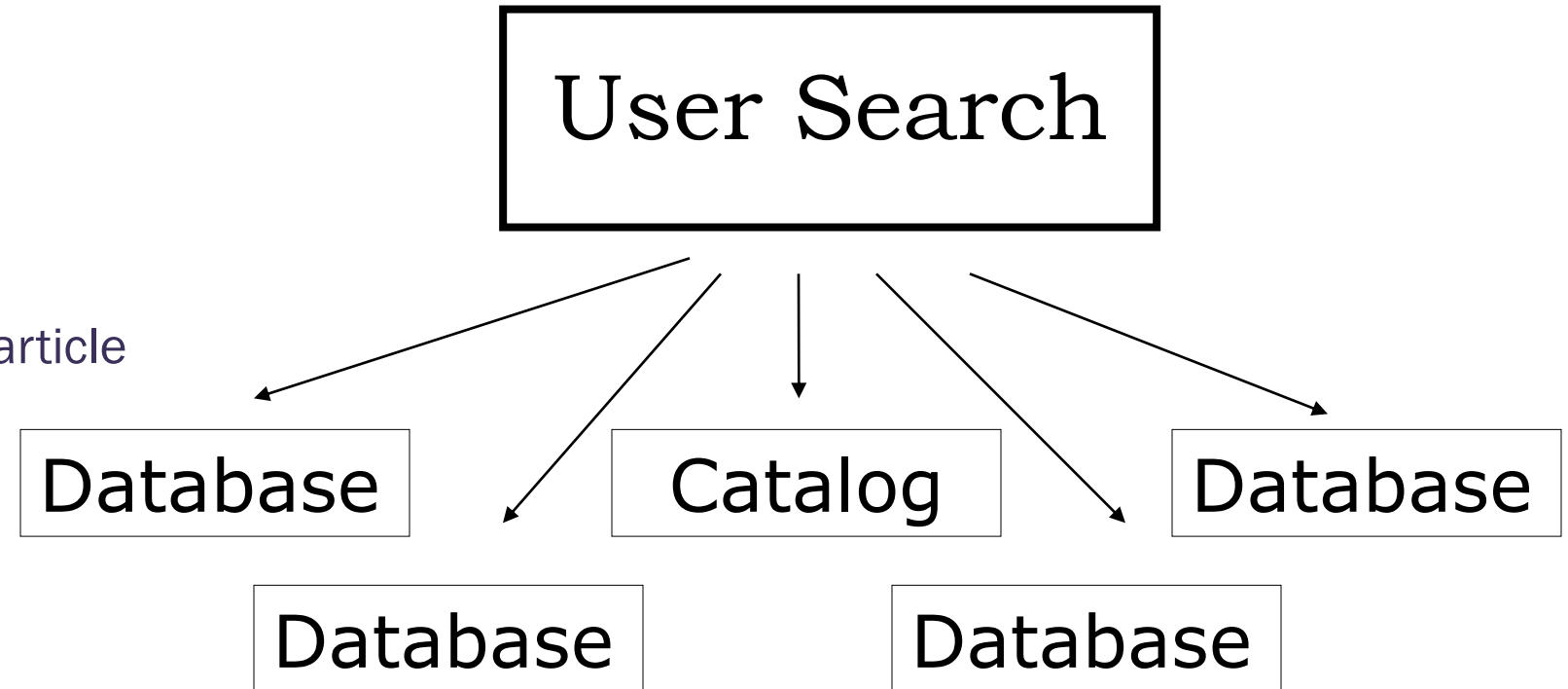


Database to Index Periodicals



Access to Electronic Content

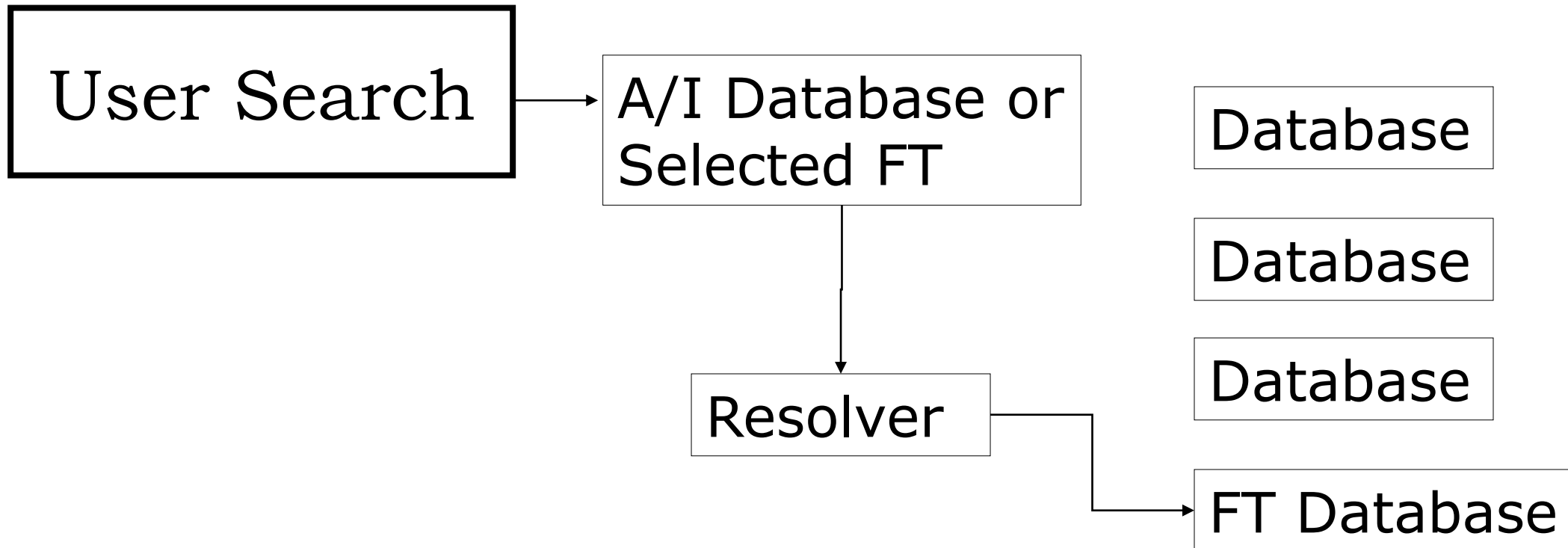
- ▶ Direct searching of databases
 - Search each resource
- ▶ Title-level URL in OPAC
 - From 856 in MARC record
 - Browse to volume, issue, article



Knowledge Bases

- ▶ SerialsSolutions
 - ▶ Journals A-Z list
 - ▶ Coverage dates
 - ▶ Links to journals
 - ▶ SFX OpenURL Link Resolver
 - ▶ Bought by ExLibris
 - ▶ Links to appropriate copy of full-text resources
-
- ▶ These merged to be what we refer to as a knowledge base (KB)
 - ▶ KB, Journals A-Z list, OpenURL Resolver, resolver → ALL SYNONYMOUS
 - ▶ **The purpose is to provide access to full-text resources**

OpenURL Resolver

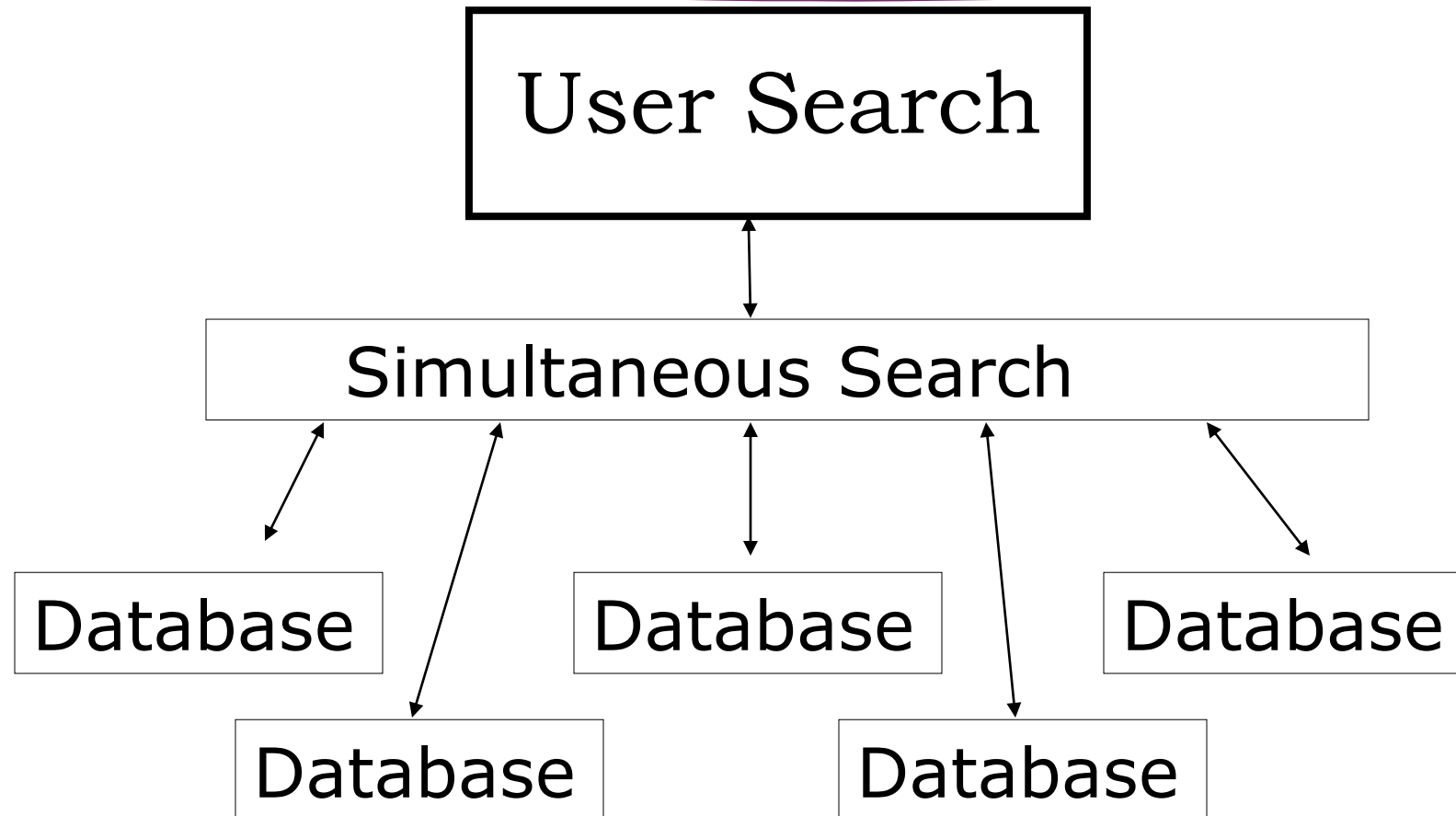


Authentication Timeline

An important but
more
straightforward
aspect of our library
technology schema

- ▶ Physical print items
- ▶ In-house workstations
- ▶ Credentials
- ▶ IP recognition
- ▶ Proxy
- ▶ Single sign on

Federated Search



Federated Search

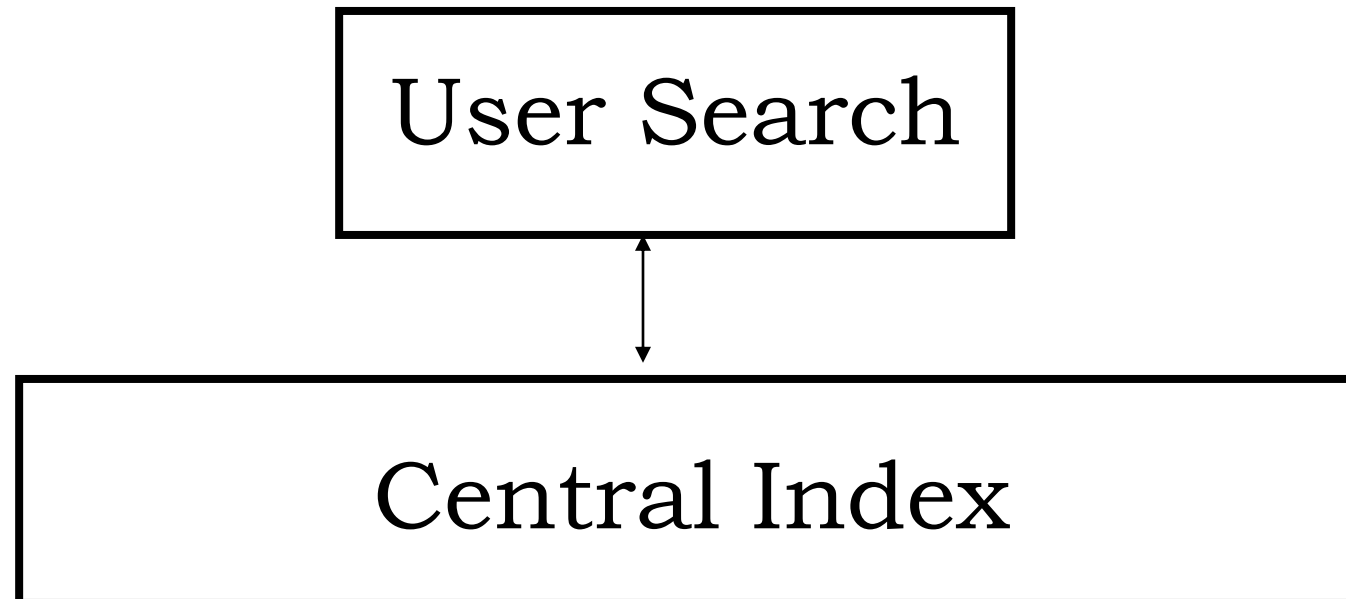
Products

- ▶ WebFeat
- ▶ Endeavor Encompass
- ▶ ExLibris MetaLib
- ▶ III Research Pro
- ▶ Serials Solutions 360 Search

Issues

- ▶ Connectivity
- ▶ Slow response
- ▶ Scalability
- ▶ Search complexity
- ▶ Duplication of results
- ▶ User interactions with result sets

Web-scale Discovery



Discovery Systems

Products

- ▶ Google Scholar
- ▶ EBSCO Discovery Service
- ▶ WorldCat Discovery
- ▶ ExLibris Primo Central
- ▶ SerialsSolutions Summon

Components

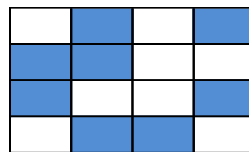
- ▶ Central Index
- ▶ User Interface

Customized Discovery System

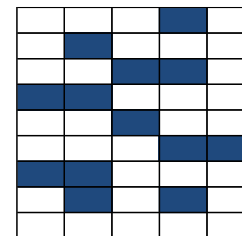
Bibliographic data

From WorldCat
bibliographic
database

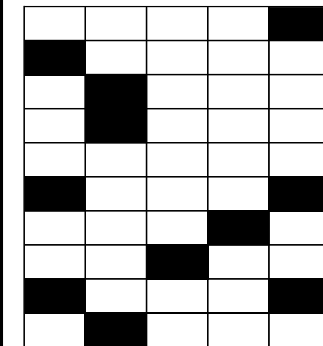
Licensed Content



Other Content Network connectivity



Other DBs / ERs



Configured discovery system

Schema Overview

Catalog

- Data
 - Bibliographic data in MARC and MFHD formats
- Links
 - Title-level URLs
- Purpose
 - Make bibliographic metadata available for searching

KB

- Data
 - Full-text resources & coverage
- Links
 - Resolver can create article-level links from title-level URLs
- Purpose
 - Provide links to full-text resources

Discovery

- Data
 - Central index with article-level eResource metadata & bib data
- Links
 - Links taken from bib & KB data and displayed with results
- Purpose
 - Discovery across all library resources

What it Looks Like in Practice

- ▶ ILS & OPAC
- ▶ Knowledge Bases
 - Journals A-Z list / OpenURL resolver
 - MARC record loading service for ebooks and/or ejournals
- ▶ Other Sources for Bibliographic Records
 - OCLC Metadata Services
 - Vendors
 - Local cataloging & management
- ▶ Databases A-Z list
- ▶ External Repositories
 - Institutional repository
 - Image repositories
 - Other digitized collections
- ▶ Discovery Layer
 - Export bibliographic data from the ILS
 - Central Index = Article metadata for subscription and other content
- ▶ ERMS

Moving Forward

ALMA + PRIMO

Library Services Platform

- ▶ LSP
- ▶ Coined in 2011 by Marshall Breeding to describe a new set of products developed to take a different approach with respect to library resource management
 - “...addresses the fundamental changes that libraries have experienced over the course of the last decade or so toward more engagement with electronic and digital content.”
 - *Computers in Libraries, Sept 2011*
- ▶ Electronic content is more integrated in an LSP than ever before

The Systems

LSP = Alma

- ▶ Most similar to ILS
- ▶ Designed for multiple formats, not just physical
 - Including external repository content
- ▶ Integrated knowledge base and e-resource data functionality
 - Access, subscription, license, etc.

Discovery Service = Primo, Summon

- ▶ Replacing the OPAC
- ▶ Searches Alma bibliographic records
 - Physical, electronic, repository
- ▶ Searches central index metadata

Which Does What?

Alma = Access

- ▶ Electronic
 - KB with portfolios
 - Bibliographic records with URLs
 - External repository records
- ▶ **Alma doesn't know central index metadata, it only knows whether you have access to an ejournal/ebook. Supports connecting to full text.**

Primo, Summon = Discovery

- ▶ Primo Central Index
 - Article level metadata
 - Subscription and non-subscription content
- ▶ Alma bibliographic records
- ▶ **Primo doesn't know what you own, it only knows what to search. Supports finding library resources.**

New System = New Vocabulary

Portfolio

KB (minimal) metadata

Access information

Provider, URL,
coverage/availability, user
ID information, etc.

Package

Collections of
portfolios

Full-text collections

Database

Abstract and index
databases (no full-text
content)

No portfolios

Where Do We Manage all this Stuff?

Institution Zone (IZ)

Local bibliographic records

Electronic portfolios

Local external repository
content

Network Zone (NZ)

Possibilities include:

Consortial subscriptions

Consortial bibliographic
records

Shared vendor records

Community Zone (CZ)

KB data for packages and
databases

Bibliographic records

Authority records

What Does it all Mean??

- ▶ Researchers aren't necessarily seeing library controlled data
 - Discovery metadata is not the same as LSP bibliographic or portfolio data
- ▶ Many links to electronic content will be from the Alma KB
 - Managed by publishers
- ▶ Moving closer to a single search interface
- ▶ Streamlined processes are possible
 - Integrated KB = dynamic journal and database A-Z lists
 - Primo & Alma are linked
 - Integrated ERMS (licenses, vendors, and subscription management are connected and can be shared)

Questions??

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