Federated Search

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DISCLAIMER

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- I AM NOT A RESEACH LIBRARIAN

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- I AM A LICENSED LAWYER

Search vs. Federated Search

Just in Case vs. Just in Time

- Indexing and Tagging

Search vs. Federated Search

Just in Case vs. Just in Time

- Indexing and Tagging
- Custodial Rights

Search vs. Federated Search

Just in Case vs. Just in Time

- Indexing and Tagging
- Custodial Rights
- Enhancement.

Historical Problems with Federated Search

- Connectors

Historical Problems with Federated Search

- Connectors
- Blending Results

Historical Problems with Federated Search

- Connectors
- Blending Results
- Manipulating Results

Historical Problems with Federated Search

- Connectors
- Blending Results
- Manipulating Results
- Deduplication

Historical Problems with Federated Search

- Connectors
- Blending Results
- Manipulating Results
- Deduplication
- Quality of Information

“It’s Raining Cats and Dogs.”

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- Cats and dogs were supposed to be washed from roofs during heavy weather.

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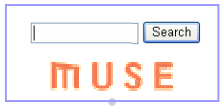
- 17th century England, filthy city streets Heavy rain would occasionally carry along dead animals.
- French word, catadoupe, means waterfall.
- Witches flying on brooms – cats; God of Storms, Odin had dogs at his side.

Virtual Repository

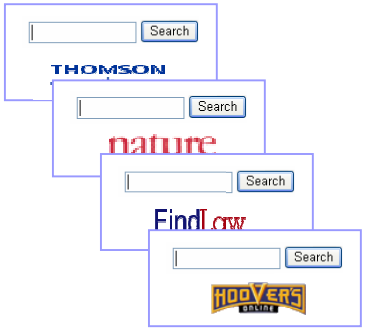
1. Confidence in Quality

2. Confidence in Provenance

Federated Search



Subscription Search



Highly Specialized, Domain-Specific Content

- Deep coverage in single content silo
- Highest barrier to user adoption

Web Search

Billions of Diverse Web Pages

- Broad, simple coverage of wide swath of content
- Low barrier to user adoption

Desktop/Enterprise Search

Millions of Enterprise Documents

- Relatively deep coverage of all content behind corporate firewall
- Higher barrier to user adoption

Value of Federated Search

- Users search once, but gain best data
- Users must learn how to search only once
- Content comes back in one screen in consistent format

Federated Search Features

- Real Time Search

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- Parallel Searching

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- Blend complete sets of results

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- See complete sets from individual databases

Federated Search Features

- Real Time Search
- Parallel Searching
- Blend complete sets of results
- Search process tools
- See complete sets from individual databases
- Content is viewed from the native database

Federated Search Mechanics

- Connectors

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- Connectors
- Authentication

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- Connectors
- Authentication
- Translation (for native source Syntax)

Federated Search Mechanics

- Connectors
- Authentication
- Translation (for native source Syntax)
- Normalization

Federated Search Mechanics

- Connectors
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- Source Profile

Data Manipulation

- Content Navigation Technology and Data Mining Tools

Data Manipulation

- Content Navigation Technology and Data Mining Tools
- Create Virtual Records

Data Manipulation

- Content Navigation Technology and Data Mining Tools
- Create Virtual Records
- Refinement

Data Manipulation

- Content Navigation Technology and Data Mining Tools
- Create Virtual Records
- Refinement
- Visualization

Data Manipulation

- Content Navigation Technology and Data Mining Tools
- Create Virtual Records
- Refinement
- Visualization
- Federated Alerts

Data Manipulation

- Content Navigation Technology and Data Mining Tools
- Create Virtual Records
- Refinement
- Visualization
- Federated Alerts
- Save and export result sets and specific results

Thank You

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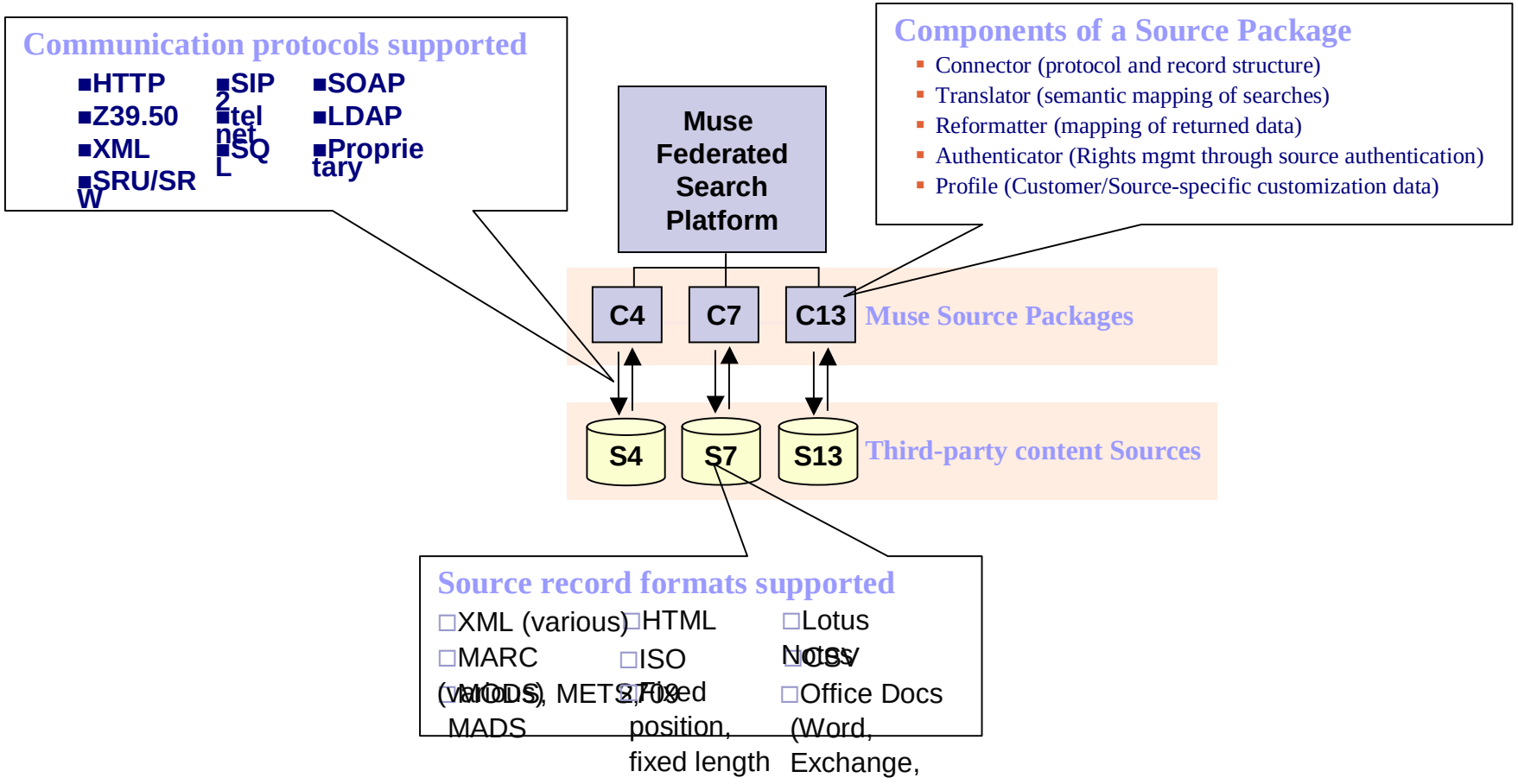

Muse supports the deepest connection to each content Source to deliver the most meaningful search results possible.

The Most Extensive Metadata Support Available

Sampling of key Metadata fields supported by Muse

- Control numbers (ISBN, ISMN, ISSN, etc.)
- Title & Journal Title
- Author
- Citation Data (title, volume, issue, page, year, ISSN)
- Assigned Keywords & Derived Keywords
- Abstract
- Subject Headings
- Classification
- Category
- Location (geographical, within building, shelving, filing)
- Printing/publishing details (year, publisher/printer, location, etc.)
- Material Descriptors & Thematic Descriptors
- Target Audience
- Size (pages, bites, seconds, etc.)
- Linking (material, subject, location, thematic, etc.)
- Use Limiting Data (access rights, price, embargo, etc.)
- Availability Data (inventory, comparison shopping, shipping, etc.)
- Author Affiliation
- References (to other material)

Thousands more…

- Object Linking (full text, image, video, audio)