



SEARCH

SMART CONNECTOR TECHNOLOGY FOR FEDERATED SEARCH

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MUSEKNOWLEDGE™ FEDERATED SEARCH PLATFORM



Delivering content integration technology since 1998

- Building and delivering the widest range of federated content through the industry's most flexible content integration platform
- Seamlessly integrate limitless content sources into applications and services
- Experienced and proven technology powering scaled applications
- 15 years of continuous development and integrations

We rapidly deliver comprehensive applications without substantial in-house development

- Muse Source Factory™ of 5,000 + content source connections enables partners to scale platforms and services

Muse is the only product of comprehensive, plug & play content integration technology

- Federation, Harvesting, Transformation, Enhancement, Security, Source Maintenance, Multiple Delivery Mechanisms, Analyzed extracted data

MUSEKNOWLEDGE™ AND THE ENTERPRISE SEARCH PLATFORM



Muse's Value to Enterprise Search

- Expanding source connections, especially for information outside corporate repositories
- Providing enhanced (enriched) records from multiple sources
- Performing an array of advanced post-processing on results sets
- Multiple integration architectures and information delivery modes

MuseKnowledge™ Federated Search is Complementary to Enterprise Search

- MuseKnowledge™ Federated Search is a content harvester, normalizer and feeder
- MuseKnowledge™ Federated Search is designed to be a pass-through technology, with no repository functionality
- Feeds directly to Enterprise Search Engine and, or repositories

MuseKnowledge™ can Federate the Enterprise Search Engine and Other Sources in Real Time for End Users

MUSEKNOWLEDGE™ FEDERATED SEARCH



Multiple Domains of Applicability

- Library, University, Hospitals, Legal, Police
- Business (B2B), Government (B2G), Consumer (B2C)

Various Types of Sources

- Search, Writer, Enrichment, Content Mining, Inter Library Loan, Hold, Patron, DeDupe, Ranking, Shopping Cart

Various Protocols Supported

- Atom, HTTP/HTML, HTTP/XML, JSON, NCIP, OAI-PMH, RSS1.0, RSS2.0, SIP2, SQL, SRU, SRW, Telnet, Z39.50

Maintenance and Management at Runtime

- Application grouping and execution; parallel execution, thread control, post processing, DeDupe, Ranking, Content Mining, hot deployment, sandboxing

Scalability

- Single Muse instance vs. Shared Load Balanced Environment; NFS and rsync for synchronization



MUSEKNOWLEDGE™ FEDERATED SEARCH

- User searches via browser User Interface or client system
- Access to free and authenticated Sources
- Search translated for each Source
- Multiple Content Sources, Same Search Query, Single Integrated List
- Results enhanced from multiple Sources
- Results reformatted and normalized
- Result Set sort, rank, export, deduplication, processing
- Refine results functionality
- Search history and saved searches
- Personalization of functions and Sources
- Enterprise customization of UI and Sources
- User Interface for Mobile Devices
- Linking to the native detailed record
- Application server, sandboxing
- Statistics
- Vendor neutral



MUSEKNOWLEDGE™ FEDERATED SEARCH



Layered Architecture

Muse Can Integrate in Multiple Ways Because of:

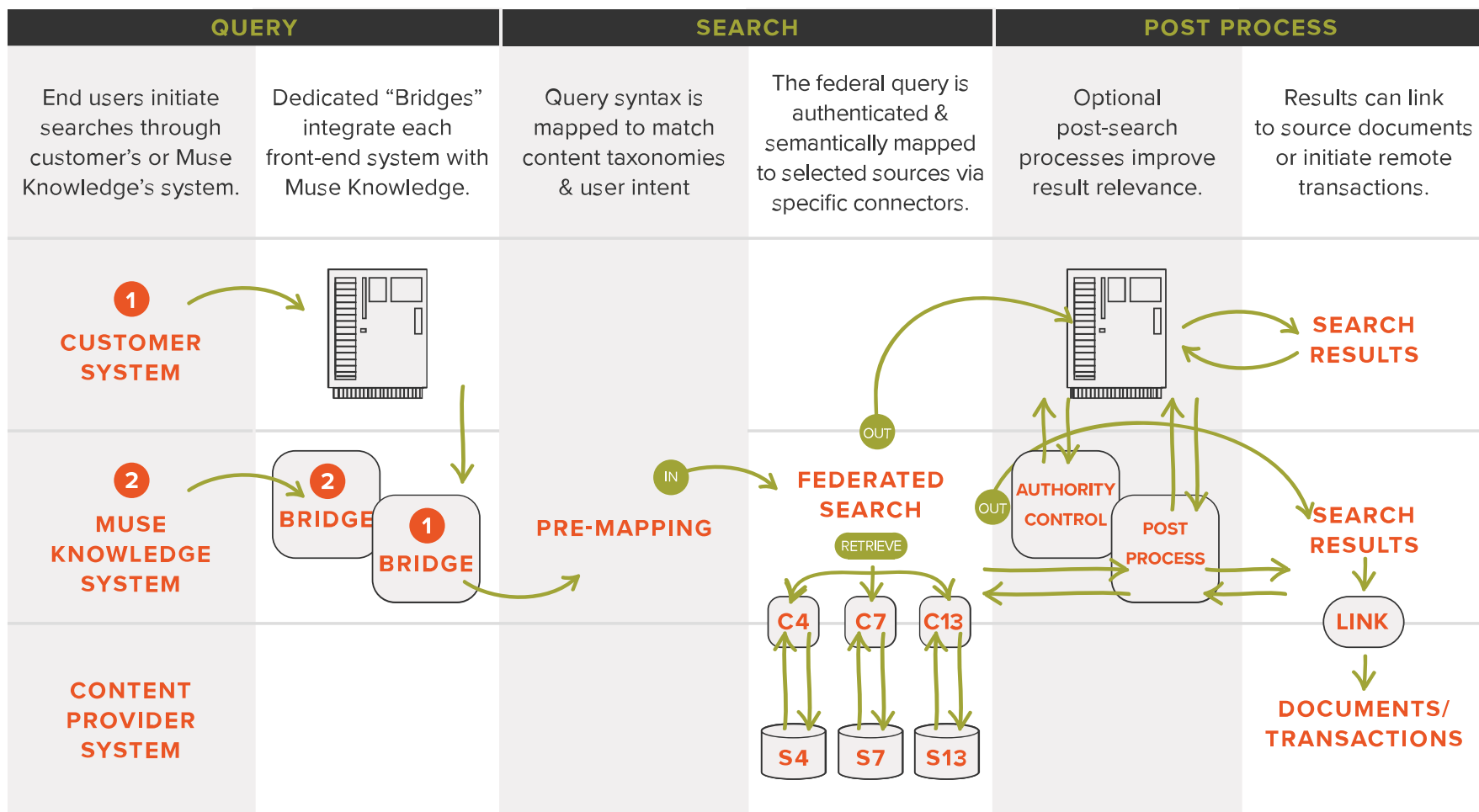
- Protocol handling Bridges
- Message based interaction (loose coupling)
- Symmetric message handling (listens and talks)
- Session management (convert a transaction into a dialog)

Multi-Processing & Multi-Threading Kernel Allows:

- Handling multiple input message streams (user sessions)
- Efficient resource usage through asynchronous processing
- Robust operation with different speed external systems



THE FEDERATED SEARCH PROCESS



MUSEKNOWLEDGE™ ARCHITECTURE INFRASTRUCTURE FUNCTIONALITY

Sophisticated search and content integration solution, with advanced post-processing and a highly productive user environment, supported by a full complement of powerful management tools

Searching

- Source Selection
- Source Capabilities
- Source Limiters
- Pre mapping
- Stats & usage tracking

Admin & Management

- Authentication & DRM
- User Interface customization
- Management consoles
- Source maintenance

User Environment

- Post-search processing
- Personalized workspaces
- Alerts
- Advanced exploration
- Content Mining

Integration

- Content integration
- Application integration
- Message Passing Environment
- Session Management



THE MOST EXPENSIVE METADATA SUPPORT AVAILABLE

Sampling of key Metadata fields supported by Muse

- Control numbers (ISBN, ISMN, ISSN, etc.)
- Author, Title & Journal Title
- 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)
- Object Linking (full text, image, video, audio)

Thousands more...



ENRICHMENT

2.  **Java**  ... **Java** Java is an object-oriented, cross-platform ... Interactivity. Unlike other object-oriented languages, **Java** code can run across varying equipment ... able to execute multiple processes simultaneously. **Java** is considered to be the first ... only by a specific... »

Publisher: SAGE Publications, Inc.
ISBN: 9780761923824
Source: Encyclopedia of New Media

★★★★★ SAGE: Knowledge | [Persistent URL](#) | [DOI](#) | [Ovid LinkSolver](#) » [Less](#)

3.  **Java Tsunami (2006)**  ... **Java** Tsunami (2006) On July 17, 2006, a tsunami struck **Java**, killing over 500 people and displacing ... earthquake, 152 miles south of the **Java** coast. The depth of the earthquake ... identified as at risk from tsunamis. **Java**, in particular, is tectonically unstable, and... »

Publisher: SAGE Publications, Inc.
ISBN: 9781412971010
Source: Encyclopedia of Disaster Relief

★★★★★ SAGE: Knowledge | [Persistent URL](#) | [DOI](#) | [Ovid LinkSolver](#) » [Less](#)

Book cover retrieved from
Enrichment service provider

Configurable
Ex-parsers

- Create an enhanced record with content from more than one input record
- Secondary searches may use search parameters derived from main record
- Uses field level merging and whole record merging
- ExParsers (Extended Parsers) process record components for normalized data
- Dynamic selection (content based) of ExParsers
- OpenURL resolvers

IDR:

Authentication Settings

Authenticator:

User Name:

User Password:

User Pin:

Extended Parser Settings

Use Extended Parser: ☒ Yes ☐ No

Extended Parser Class:

Extended Parser Encoding:

Extended Parser Configuration File:

Proxy Settings

Use Proxy: ☒ Yes ☐ No

Proxy Host:

Source Extended Parsers

The role of an Extended Parser is to parse additional data which will be added to the current record, usually by performing one or more additional requests to the Data Service.

Choose one of the allowed Extended Parsers for Academic Search Premier.

☐ No Extended Parser needed

☒ ExParserEBSCO

Parse extended data for the EBSCO site. Description of the Extended Parser.

Extended Parser encoding.

Extended Parser configuration file.



PLUGGABLE LOGIN MODULES

Muse comes with a collection of login modules to define the desired authentication scenario. The Login Modules can be combined to form an authentication stack.

Login Modules Parameters & their Semantics

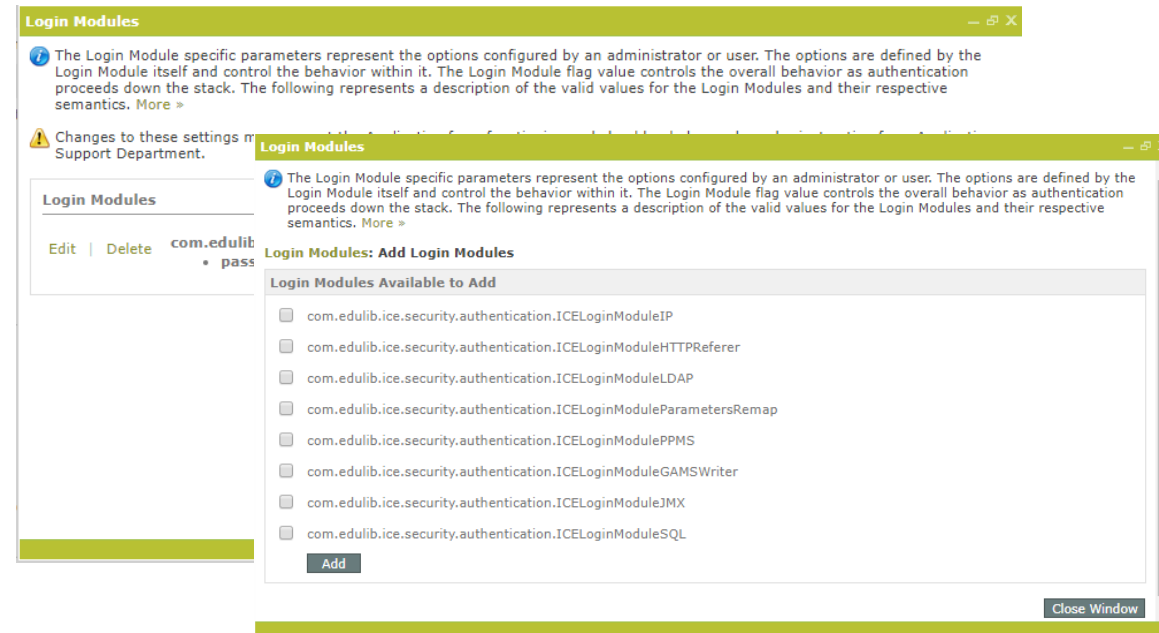
- **Required** The Login Module is required to succeed. If it succeeds or fails, authentication still continues to proceed down the Login Module list;
- **Requisite** The Login Module is required to succeed. If it succeeds, authentication continues down the Login Module list. If it fails, control immediately returns to the application (authentication does not proceed down the Login Module list).
- **Sufficient** The Login Module is not required to succeed. If it does succeed, control immediately returns to the application (authentication does not proceed down the Login Module list). If it fails, authentication continues down the Login Module list.
- **Optional** The Login Module is not required to succeed. If it succeeds or fails, authentication still continues to proceed down the Login Module list.

Existing Login Modules

- ICELoginModuleXML - username/password authentication
- ICELoginModuleIP - IP authentication
- ICELoginModuleLDAP - authentication against LDAP
- ICELoginModulePPMS - personal user authentication
- ICELoginModuleHTTPReferer – referrer authentication
- ICELoginModuleSQL - authentication against SQL database
- ICELoginModuleHMAC – HMAC signature authentication
- ICELoginModulePropertiesExtractor – SAML authentication



PLUGGABLE LOGIN MODULES



Example of configured login modules

Login modules available in the Muse Console for Applications Administration

Authentication scenarios for MuseKnowledge™ Applications:

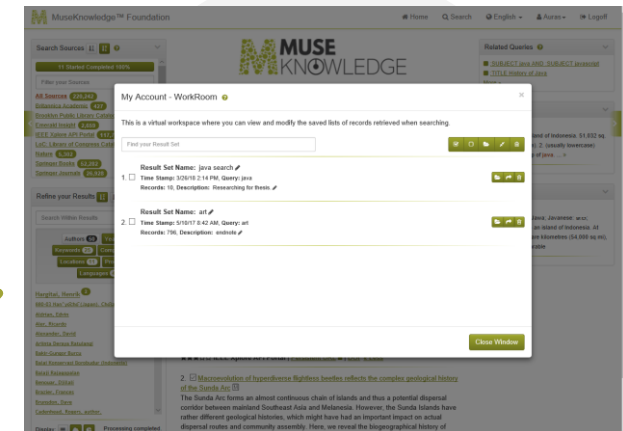
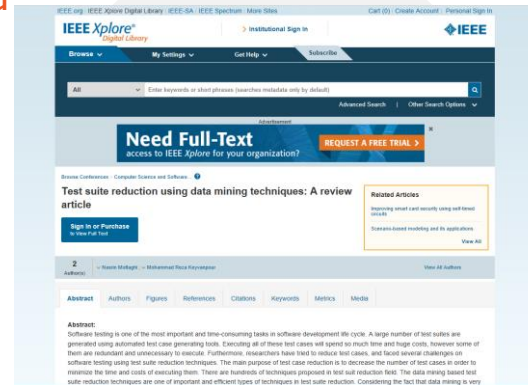
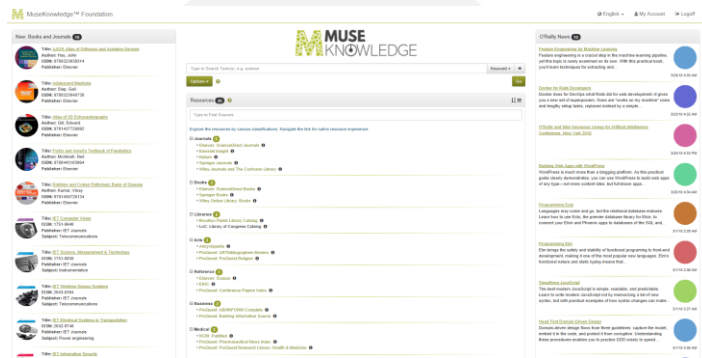
- **Standard Username/Password authentication.** The end-user enters a username and password at the Muse Applications login form;
- **Standard IP authentication.** If the IP of the end-user is authenticated he/she is allowed in the Muse Application;
- **Standard LDAP authentication.** The end-user enters his LDAP username/password details;
- **IP authentication** for on campus users and Username/Password for off-campus;
- **IP authentication** for on campus users and LDAP for off campus;
- **IP authentication** for on campus users and personal user details for off campus;



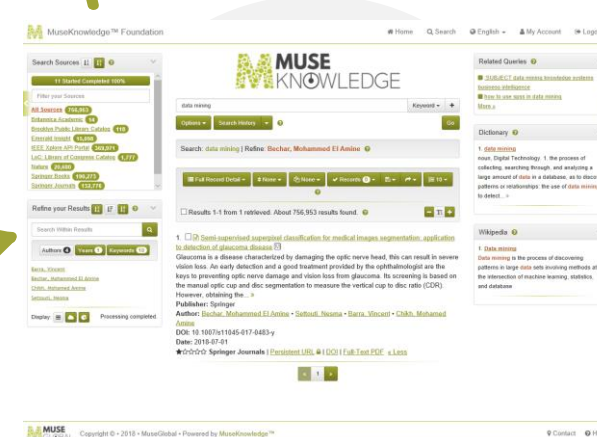
AN EXPLORATION WORKFLOW

Linking to Native Full Text Record

Personal Workspace



MuseKnowledge™ User Interface – Home Page and Search Form



Search Results

Refine & Post Processing



CUSTOMER FEDERATED SEARCH

The screenshot displays the MuseKnowledge website interface. At the top, the logo and navigation links (Home, Search, English, Auras, Logoff) are visible. The main content area is divided into several sections:

- New Books and Journals:** A list of recent publications with details like title, author, ISBN, and publisher.
- Search Bar:** A central search input field with options for 'And', 'Or', and 'Not' search logic, and a 'Go' button.
- Resources:** A section titled 'Explore the resources by various classifications. Navigate the link for native resource experience.' It lists various resource types with counts:
 - Journals (11):** Includes Elsevier ScienceDirect Journals, Emerald Insight, IEEE Xplore API Portal, Nature, Springer Journals, and Wiley Journals and The Cochrane Library.
 - Books (2):** Includes Elsevier ScienceDirect Books, Springer Books, and Wiley Online Library: Books.
 - Libraries (2):** Includes Brooklyn Public Library Catalog and LoC: Library of Congress Catalog.
 - Arts (1):** Includes Artcyclopedia.
 - Reference (2):** Includes Elsevier Scopus and ERIC.
 - Medical (1):** Includes NCBI PubMed.
 - Scientific (7):** Includes Astrophysics Data System, Elsevier Engineering Village, Elsevier ScienceDirect Books, and Elsevier ScienceDirect Journals.
- O'Reilly News:** A section on the right side showing news items with circular icons and timestamps.

This screenshot shows the initial home page customized according to Partner's requests.

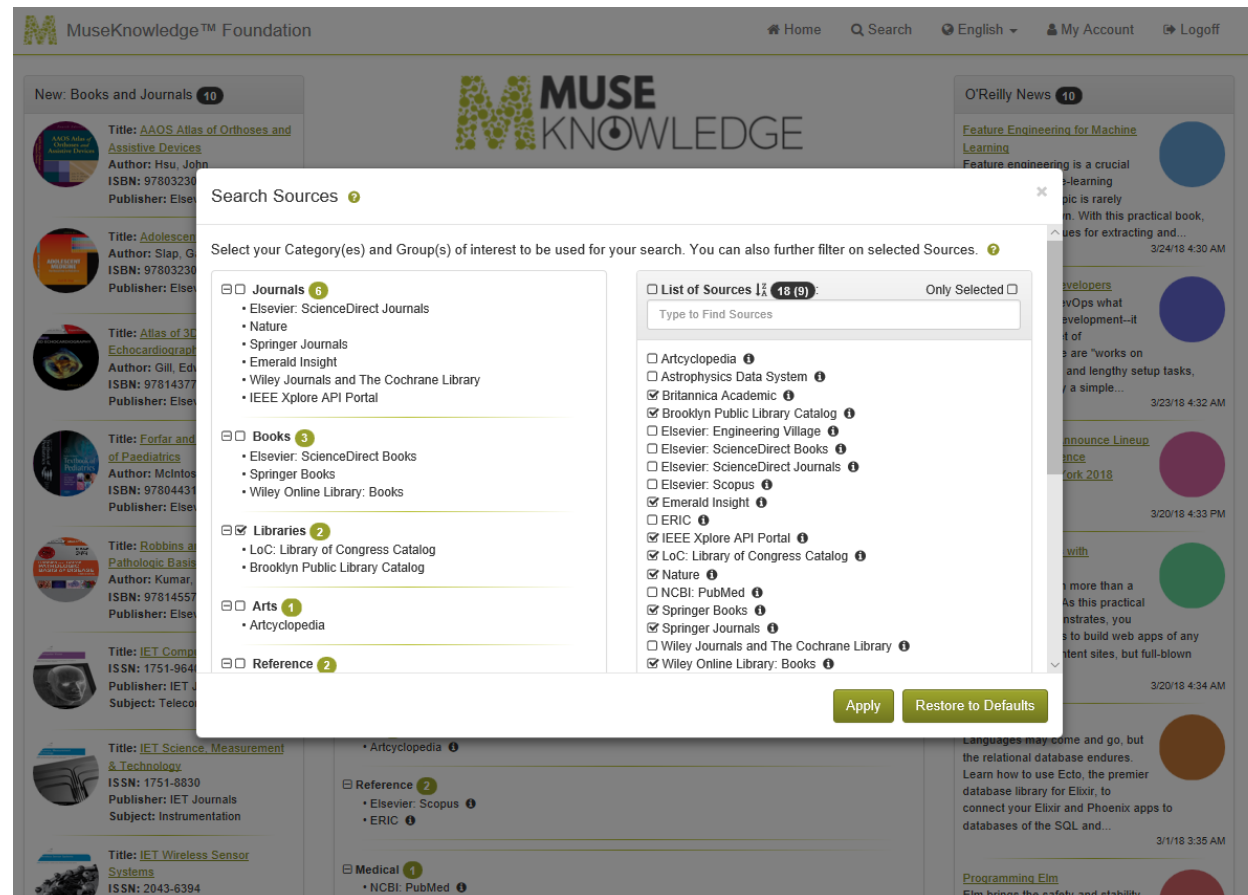
The Search Form allows building complex queries.

Widgets to display recommended list of books and articles, RSS feeds and the available list of resources.

Customizations can be done to fit the look and feel of the rest of the Partner's website and other customer facing systems.



CUSTOMER FEDERATED SEARCH



The “Search Sources” drop menu has been opened and some Sources selected in addition to the defaults. A simple search is typed in (“book”) The user now clicks “Go”...



CUSTOMER FEDERATED SEARCH

The screenshot displays the MuseKnowledge Foundation search interface. The main search bar contains the term "java". The interface is annotated with letters A through G:

- A** Points to the main search bar and the "Go" button.
- B** Points to the "Related Queries" widget on the right, which shows suggestions like ".SUBJECT java AND :SUBJECT javascript" and ".TITLE History of Java".
- C** Points to the search results list, which includes a snippet for "Bamshad: A JIT compiler for running Java stream APIs on heterogeneous environments".
- D** Points to the "Search Sources" widget on the left, which lists various sources with their record counts, such as "All Sources 220,235", "Britannica Academic 427", and "Springer Journals 26,928".
- E** Points to the "Refine your Results" widget on the left, which allows filtering by categories like Authors (50), Years (17), Keywords (25), Companies (13), Locations (11), Products (5), and Languages (4).
- F** Points to the "Full Record Detail" view of the first result, showing metadata like Author (Bahram Yarahmadi, Farshad Khunjush), Subject (GPGPU, Just-in-Time Compilation, etc.), Location (Kish Island, Iran), and Source (2017 19th International Symposium on Computer Architecture and Digital Systems (CADSD), p1-5).
- G** Points to the "Wikipedia" widget on the right, which provides a definition for "Java" as an Indonesian island.

A Navigate and manipulate the whole result set. Selected records can also be saved, exported, etc.

B Related Queries widget

C Search results are listed in the selected display format.

D All Sources are listed with a record count. Clicking any one displays records from that Source only.

E Special panel shows terms extracted from the results set which can be used to refine the results on categories like Authors, Years, Keywords, Companies, Locations, Products, Languages. Refine by Year 2016.

F Term highlighting

G Side search widgets with specialized sources.



CUSTOMER FEDERATED SEARCH

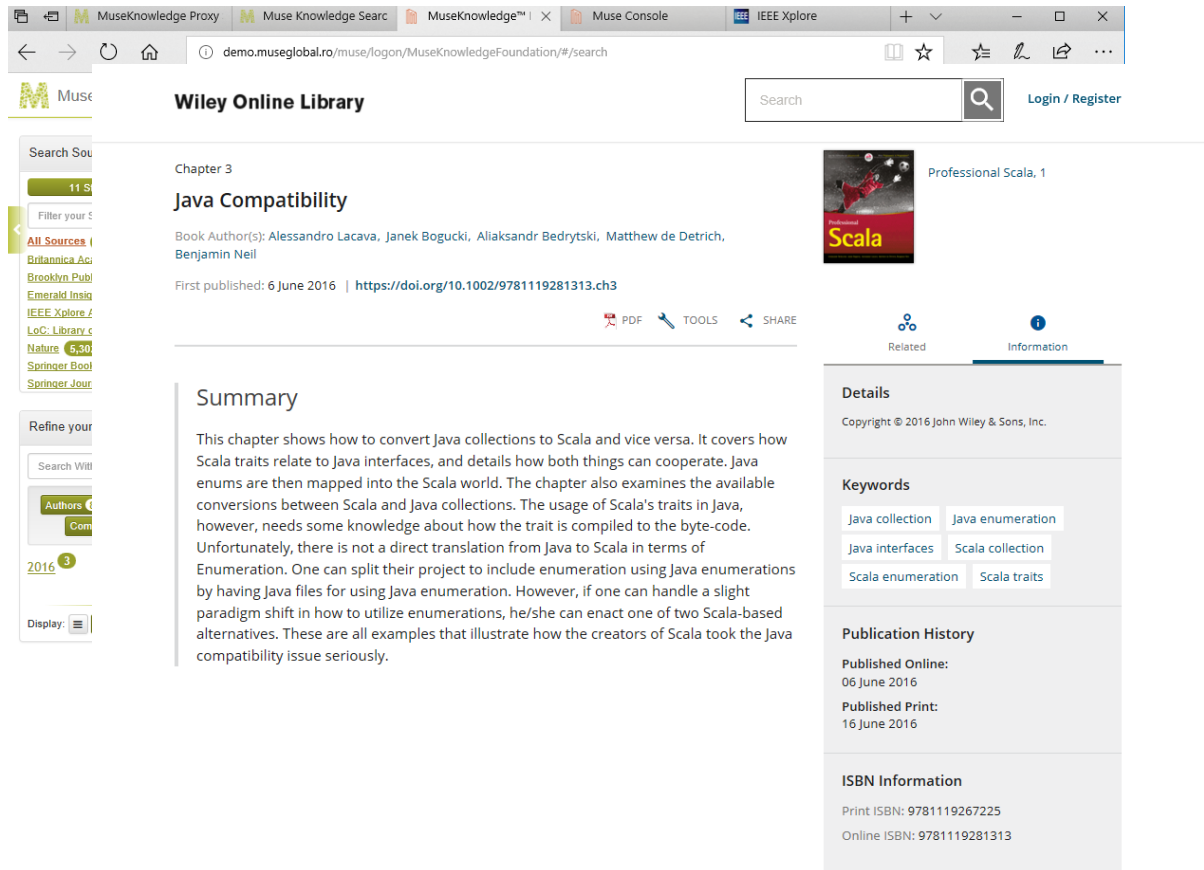
The screenshot displays the MuseKnowledge Foundation search interface. The top navigation bar includes links for Home, Search, English, My Account, and Logoff. The main search area shows a search for 'java' with a 'Refine: 2016' filter. A green arrow labeled 'A' points to the 'Refine: 2016' filter. The left sidebar shows 'Search Sources' with 11 sources completed (100%) and a list of sources including All Sources (220,235), Britannica Academic (427), Brooklyn Public Library Catalog (309), Emerald Insight (2,659), IEEE Xplore API Portal (117,772), LoC: Library of Congress Catalog (8,611), Nature (5,302), Springer Books (52,282), and Springer Journals (26,928). Below this is a 'Refine your Results' section with filters for Authors (8), Years (1), Keywords (25), Companies (1), and Locations (2). A '2016' filter is selected. The main results area shows 'Search: java | Refine: 2016' and 'Results 1-3 from 3 retrieved. About 220,235 results found.' Two results are listed: 1. [Macroevolution of hyperdiverse flightless beetles reflects the complex geological history of the Sunda Arc](#) and 2. [Interactions of the Greater Ontong Java mantle plume component with the Osborn Trough](#). A green arrow labeled 'B' points to the second result. The right sidebar contains 'Related Queries', 'Dictionary', and 'Wikipedia' sections.

A Breadcrumb functionality allows navigation between post-search action results and the original search results.

B ... and then end up with 3 records. The desired record is a click away.



CUSTOMER FEDERATED SEARCH



The screenshot shows a web browser window with multiple tabs: 'MuseKnowledge Proxy', 'Muse Knowledge Search', 'MuseKnowledge™', 'Muse Console', and 'IEEE Xplore'. The address bar shows 'demo.museglobal.ro/muse/login/MuseKnowledgeFoundation/#/search'. The main content area is the 'Wiley Online Library' page for 'Chapter 3: Java Compatibility'. The page includes a search bar, a list of sources on the left, and a detailed summary of the chapter. The summary text reads: 'This chapter shows how to convert Java collections to Scala and vice versa. It covers how Scala traits relate to Java interfaces, and details how both things can cooperate. Java enums are then mapped into the Scala world. The chapter also examines the available conversions between Scala and Java collections. The usage of Scala's traits in Java, however, needs some knowledge about how the trait is compiled to the byte-code. Unfortunately, there is not a direct translation from Java to Scala in terms of Enumeration. One can split their project to include enumeration using Java enumerations by having Java files for using Java enumeration. However, if one can handle a slight paradigm shift in how to utilize enumerations, he/she can enact one of two Scala-based alternatives. These are all examples that illustrate how the creators of Scala took the Java compatibility issue seriously.'

Metadata on the right includes: 'Professional Scala, 1', 'Details', 'Copyright © 2016 John Wiley & Sons, Inc.', 'Keywords' (Java collection, Java enumeration, Java interfaces, Scala collection, Scala enumeration, Scala traits), 'Publication History' (Published Online: 06 June 2016, Published Print: 16 June 2016), and 'ISBN Information' (Print ISBN: 9781119267225, Online ISBN: 9781119281313).

- **Muse Navigation Manager re-writes** the page for restoring the conditions of the initial search (cookies and session related data).
- **Original full text, from free** and subscription Sources.
- **Publisher's** platform complete set of features are now available.



MUSEKNOWLEDGE™ APPLICATION SEARCH SOURCES

Search Sources ⓘ

Select your Category(es) and Group(s) of interest to be used for your search. You can also further filter on selected Sources. ⓘ

☐ **Journals** 6

- Elsevier: ScienceDirect Journals
- Nature
- Springer Journals
- Emerald Insight
- Wiley Journals and The Cochrane Library
- IEEE Xplore API Portal

☐ **Books** 3

- Elsevier: ScienceDirect Books
- Springer Books
- Wiley Online Library: Books

☒ **Libraries** 2

- LoC: Library of Congress Catalog
- Brooklyn Public Library Catalog

☐ **Arts** 1

- Artcyclopedia

☐ **Reference** 2

- ERIC
- Elsevier: Scopus

☐ **List of Sources** 1A 16 (9)
☐ Only Selected

Type to Find Sources

☐ Artcyclopedia ⓘ
☐ Astrophysics Data System ⓘ
☒ Britannica Academic ⓘ
☒ Brooklyn Public Library Catalog ⓘ
☐ Elsevier: Engineering Village ⓘ
☐ Elsevier: ScienceDirect Books ⓘ
☐ Elsevier: ScienceDirect Journals ⓘ
☐ Elsevier: Scopus ⓘ
☒ Emerald Insight ⓘ
☐ ERIC ⓘ
☒ IEEE Xplore API Portal ⓘ
☒ LoC: Library of Congress Catalog ⓘ
☒ Nature ⓘ
☐ NCBI: PubMed ⓘ
☒ Springer Books ⓘ
☒ Springer Journals ⓘ
☐ Wiley Journals and The Cochrane Library ⓘ
☒ Wiley Online Library: Books ⓘ

- **Select individual**, multiple sources for searching
- **Select entire groups** of sources
- **Quickly locate the source(s)** by the quick find functionality
- **Alphabetical listing**
- **Restore to default** sources selections
- **Show only** selected sources
- **Access to sources** descriptions and native platforms



MUSEKNOWLEDGE™ APPLICATION SEARCH SOURCES

Search Options ?



Remove Duplicates By:

☒ None ☐ Title ☐ DOI

Display Duplicates:

☒ Show Duplicates ☐ Hide Duplicates

Results Per Source:

☐ 5 ☒ 10 ☐ 25 ☐ 50 ☐ 100

Results Per Page:

☐ 5 ☒ 10 ☐ 25 ☐ 50 ☐ 100

Results Display Level:

☐ One Line Record ☐ Brief Record Detail ☒ Full Record Detail ☐ Text ☐ Raw Data ☐ XML ☐ Atom ☐ RIS ☐ EndNote

Show Search Progress:

☒ Yes ☐ No

Show Progress Details:

☒ Yes ☐ No

Sorting By:

☒ None ☐ Relevance ☐ Title (A-Z) ☐ Title (Z-A) ☐ Author (A-Z) ☐ Author (Z-A) ☐ Date (Oldest) ☐ Date (Newest)


- Handle Duplicates
- Set how many results to retrieve per Source
- Set how many results to display
- Set Display Level: One Line, Brief, Full, Text, Raw, XML, Atom, RIS, EndNote;
- Control Search Progress and Details
- Sorting Options

Apply

Restore to Defaults



MUSEKNOWLEDGE™ APPLICATION SEARCH LIMITS

Search Limits 

General Limits

Full Text: ☐ Peer Review: ☐ Language:

Any Language ▾

 Material:

Any Material ▾

 Date:

Any Date ▾

Source Specific Limits

Emerald Insight

IEEE Xplore API Portal

Date:

Any Date ▾

LoC: Library of Congress Catalog

Springer Books

Springer Journals

Wiley Online Library: Books

Apply

Restore to Defaults

- **Set General Limits:** Language, Material, Date, Full Text, Peer Review




Or

- Source Specific Limits

21

MUSEKNOWLEDGE™ APPLICATION POST SEARCH

Progress Details

Sources 	Estimate	Retrieved	Status
11 Started	220,235	90	Completed
Britannica Academic	427	10	Done
Brooklyn Public Library Catalog	309	10	Done
Distiller Module	90	90	Done 
Emerald Insight	2,659	10	Done
IEEE Xplore API Portal	117,772	10	Done
LoC: Library of Congress Catalog	8,611	10	Done
Nature	5,302	10	Done
Ranking Results	90	90	Done 
Springer Books	52,282	10	Done
Springer Journals	26,038	10	Done

Close Window

Manage your Results

- Display Level
- Deduplication
- Sort & Filter
- Handle the Records: Keep, Delete, Save to WorkRoom, Email, Distill, Enrich, Place Holds
- Save Records to Disk as: HTML, Text, RAW, XML, Atom, RIS, EndNote, PDF
- Place Orders
- Export to RefWorks, delicious, QuickBib, Dropbox, Mendeley, EndNote

Search Details

- See extraction status for all searched sources
- Stop All searches or individual searches









MUSEKNOWLEDGE™ APPLICATION MY ACCOUNT

My Account - WorkRoom

This is a virtual workspace where you can view and modify the saved lists of records retrieved when searching.

Find your Result Set

1. <input type="checkbox"/>	Result Set Name: java search	
	Time Stamp: 3/26/18 2:14 PM, Query: java	
	Records: 10, Description: Researching for thesis	
<hr/>		
2. <input type="checkbox"/>	Result Set Name: art	
	Time Stamp: 5/10/17 8:42 AM, Query: art	
	Records: 796, Description: endnote	

My Account, Saved Searches



My Account - Saved Searches

This section contains all the searches saved by the user during various sessions. It presents all the details of the search being saved. Muse Alerts are searches saved with the possibility to be re-run automatically.

Find your Query ☐ Alerts only

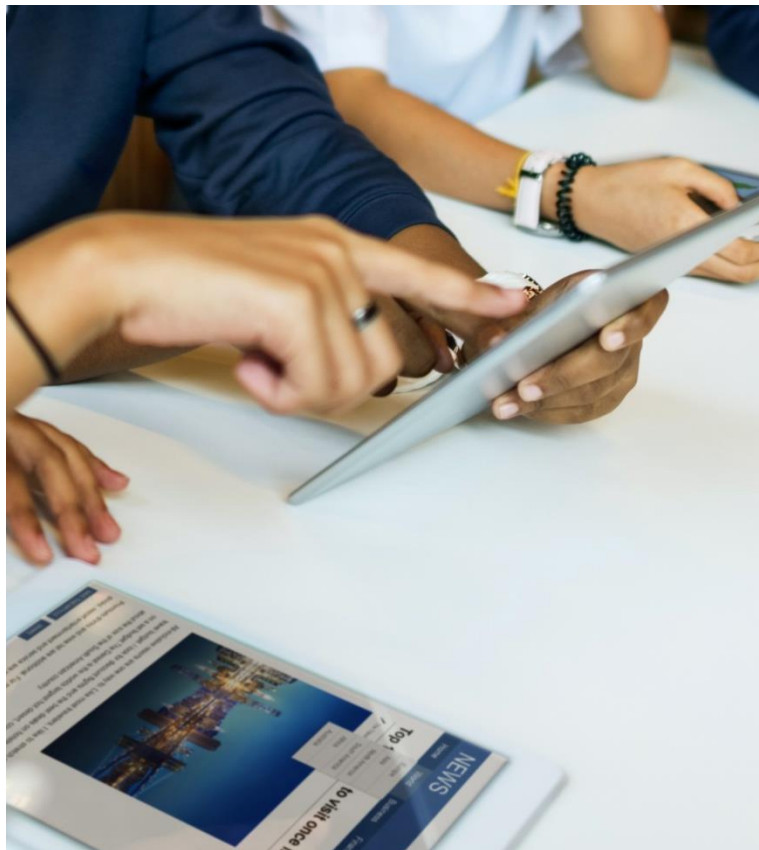
1. 	Query: moon	
	Date: 5/10/17 8:45 AM, Description: enmera	
<hr/>		
2. 	Query: moon	
	Date: 5/10/17 8:44 AM, Description: gg	

- Store your Personal Search Options
- Set your individual access details for Sources
- Overwrite the default selected, hidden sources with your individual ones
- Set own search limits
- Administer the Saved Searches and saved WorkRoom
- Administer the Alerts

My Account, Saved Resultsets



MUSEKNOWLEDGE™ APPLICATION GENERAL SETTINGS



Configure every general aspect of the application through the MuseKnowledge™ Administration Consoles

- Application Name and Description
- Email and contact information for the emailing features
- Default Navigation Management settings used by the Application
- Define the settings used for Proxy Configuration
- Manage the HTTPS certificates used by the application's sources
- Define the OpenURL resolver settings
- **Configure user interface options such as:** Default skins, Languages, Banner, Logo, Search Options, Search Sources, Search Limits, Application Functionality, Logoff Behavior
- Configure the Application's Login Modules
- **Configure the Application Modules:** Search, DeDupe, Jitterbug, Ranking, Circulation, ILL, Shopping Cart, Writer, Content Mining
- **Other Application settings such as:** Name, Expiry Date, User Concurrent Sessions, Maximum User Emails, Default Locale, Properties, Components Paths, etc



MUSEKNOWLEDGE™ APPLICATION GENERAL SETTINGS

Information

The settings defined in these fields customize your access to the Global Source Factory and enable email responses to Source requests and other reports. These settings will be stored within the Application (except for the Application ID, which will be sent to the Global Source Factory to validate access).

To modify the settings, make any necessary edits and click the Update button.

Contact Information

Application ID: MuseKnowledgeFoundation

Organization Name: Set the name of your organization.

Contact Person: Set the name of the person in your organization who will act as a contact.

Email Address: muse@museglobal.com Set the email address for the contact person.

Reply To: muse@museglobal.com Set the address to which replies should be directed.

Outgoing Email Server (SMTP)

SMTP Host: mail.museglobal.ro Set the mail server which will be used for sending emails from within the Muse Application.

SMTP Port: 587 Set the port of the mail server which will be used for sending emails from within the Muse Application.

SMTP User Name: smtp-access User Name of the mail server.

SMTP Password: Password of the mail server.

SMTP Use TLS: ☒ Enable TLS-protected connection before issuing any login commands.

SMTP Use EHLO: ☒ Use of EHLO command instead of HELO.

SMTP Use SSL: ☐ Use Secure Sockets Layer protocol from within the Muse Application.

SMTP SSL Certificates: \$(APPLICATION_HOME)/certificates/letsencrypt-ca.0 Semicolon separated list of SSL certificates.

Configure application email details

Interface options:
Application name,
Skin, Languages, etc.

Edit Configuration

Use this page to change the basic Application configuration including the password and the number of users that can be logged in at one time. [More »](#)

Changes to other settings may prevent the Application from functioning and should only be made under instruction from Muse.

Edit Configuration

Authentication and Authorization

ID: MuseKnowledgeFoundation

Password: GfbmkPO/8tzjnfKxkcPXk6ZEAhc=

Encryption: SHA1

New Password:

Confirm Password:

New Encryption: SHA1

Name: MuseKnowledgeFoundation

Home Path: \${MUSE_HOME}/home/MuseKnowledgeFoundation

Group: users

Account Expiry Date:

Server Settings

Properties: APPLICATION_HOME=\${MUSE_HOME}/home/MuseKnowledgeFoundation

Interface Options

General | Display Banner | Search Query | Search Options | Search Sources | Search Limits | Functionality | Logoff

All the information will be stored within your Application. To modify this information return to this page at any time, edit it, and click Update.

Main Settings

Application Name: MuseKnowledge™ Foundation

Application Working Mode: Federated Search

Required Password Strength: 2

Skin Settings

Enable Skin Switching: ☐ Yes ☒ No

Available Languages and Skins:

<input checked="" type="checkbox"/> English	Default	<input checked="" type="checkbox"/> Español	Default
<input checked="" type="checkbox"/> Latin American Spanish	Default	<input checked="" type="checkbox"/> Français	Default
<input checked="" type="checkbox"/> العربية	Default	<input checked="" type="checkbox"/> Nederlands	Default
<input checked="" type="checkbox"/> Türkçe	Default	<input checked="" type="checkbox"/> 日本語	Default
<input checked="" type="checkbox"/> 简体中文	Default	<input checked="" type="checkbox"/> 繁體中文	Default
<input checked="" type="checkbox"/> Română	Default	<input checked="" type="checkbox"/> Deutsch	Default
<input checked="" type="checkbox"/> Ελληνικά	Default		

Language Settings

Enable Language Switching: ☒ Yes ☐ No

Default Language: English

Search Form Settings

Enable Simple Search Page: ☒ Yes ☐ No

Enable Advanced Search Page: ☒ Yes ☐ No

Enable Expert Search Page: ☒ Yes ☐ No

Default Search Page: Simple

Integration Settings

Allow Mobile Integration: ☐ Yes ☒ No

Application configuration: password, expiry date, etc.

Configure application interface functionality

Interface Options

General | Display Banner | Search Query | Search Options | Search Sources | Search Limits | Functionality | Logoff

All the information will be stored within your Application. To modify this information return to this page at any time, edit it, and click Update.

General | Display Records | Email Records | Save Records to Disk

General Functionalities

Enable Search History: ☒ Yes ☐ No

Enable Help: ☒ Yes ☐ No

Enable Document Scoring: ☐ Yes ☒ No

Enable Track Record: ☒ Yes ☐ No

Enable 5 Star Ranking: ☒ Yes ☐ No

Enable Record Marc Display: ☒ Yes ☐ No

Enable Record Print: ☒ Yes ☐ No

Application Panels

Show Manage your Results Panel: ☒ Yes ☐ No

Enable Distill Records: ☒ Yes ☐ No

Show Topic Hierarchy Panel: ☐ Yes ☒ No

Show Related Queries Panel: ☒ Yes ☐ No

My Account

Enable Account: ☒ Yes ☐ No

Enable Saved Searches: ☒ Yes ☐ No

Enable WorkRoom: ☒ Yes ☐ No

Enable Alerts: ☒ Yes ☐ No

Record Actions

Enable Filter Records: ☒ Yes ☐ No

Enable Keep Records: ☒ Yes ☐ No



MUSEKNOWLEDGE™ MOBILE APPLICATION

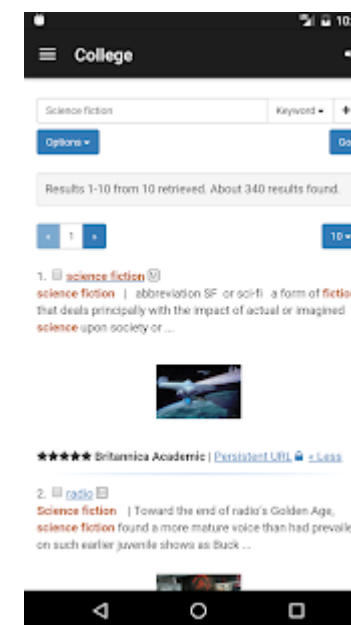
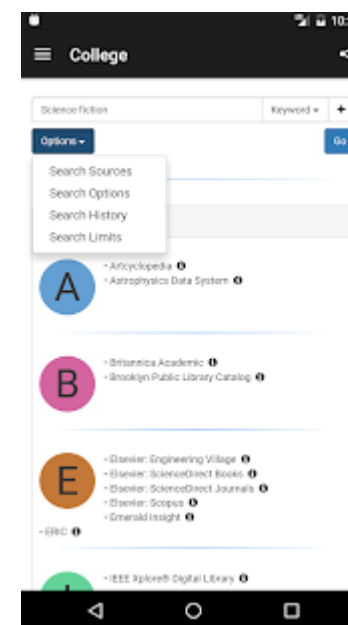
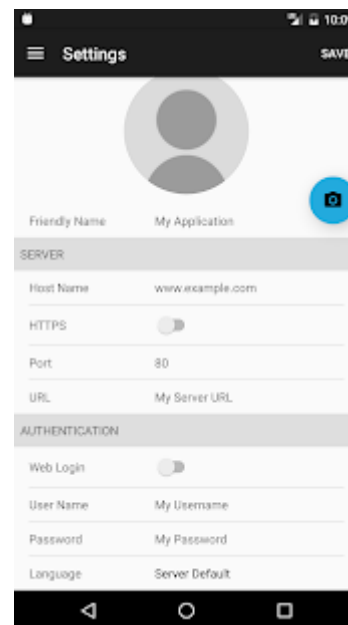
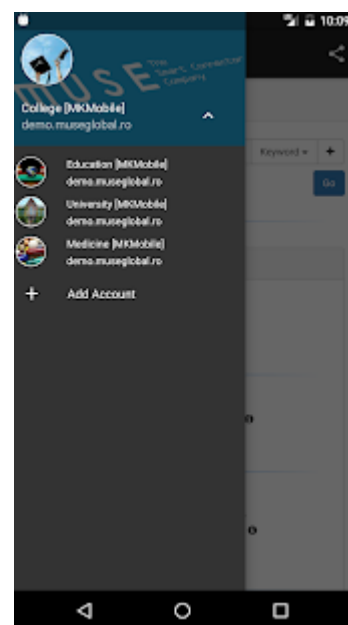
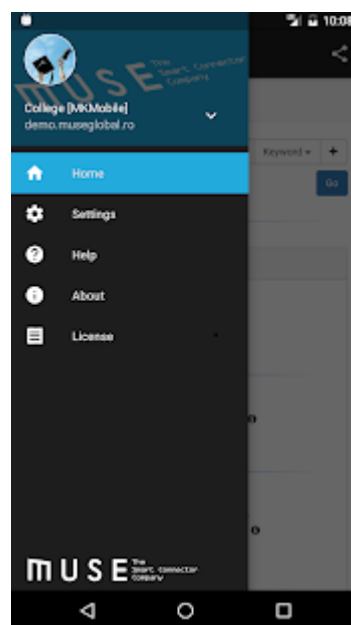
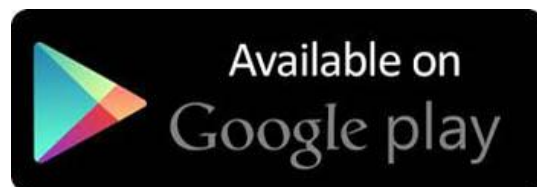


Native code applications, both iOS and Android, supporting a large variety of devices, phones and tablets.

Features

- Select which source to search
- Search by many fields
- Sort by relevance, title, author, source or date
- Specify how many records to retrieve from each searched source
- Set the desired display level of the records
- Link to the detailed record on the publisher's platform
- Search History and many other features

MUSEKNOWLEDGE™ MOBILE APPLICATION



MUSEKNOWLEDGE™ SOURCE CONNECTIONS

Unparalleled ability to extract value & relevance from disparate content sources

- **Cover full range of** content and source types
 - CMS, search engines, repositories, database systems
 - Magazine, news, journal, library archives, books, articles, images, web formats, videos, blogs, real objects
 - Traditional and online publishers (subscription, premium content)
 - Online content aggregators
 - Standard Web search & deep web information
 - Native database content (numeric and text-based)
- **Support multi-level** metadata density and complexity
 - From popular, consumer through to academic, research
- **Supported by** Automated update mechanism
- **Administered through** central Source Factory
- **Managed via** browser based Consoles
- **Highly Automated** change reporting and fixing
- **Retrieves at any** of the three levels
 - User
 - Application
 - Data
- **Access through** API or User Interface
- **Can present** metadata, abstracts and “full text”
 - Link to native sources in real time

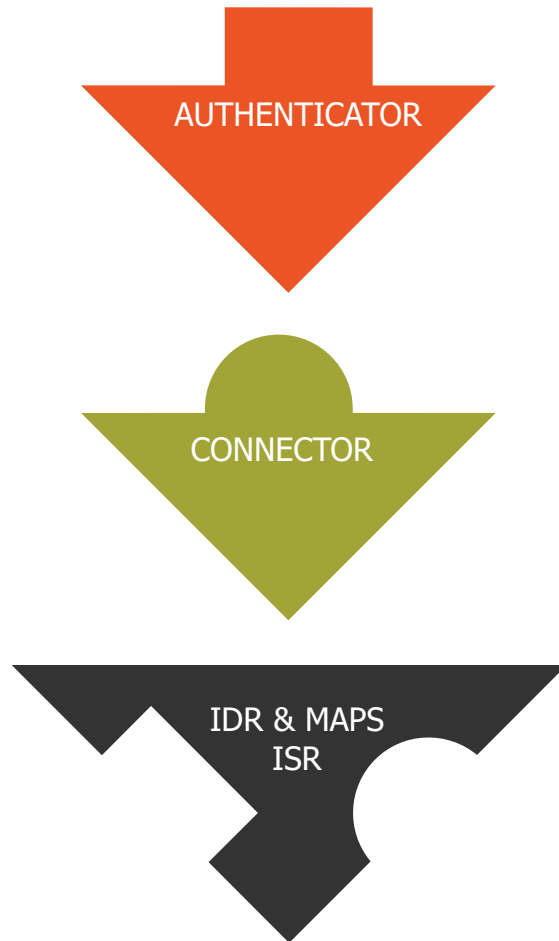


WHAT IS A SOURCE PACKAGE



- **Something that enables** content from external Sources to be used by a technology platform, application as though it were native.
- **A facility that creates 'clouds'** of content to be available to users and systems based on need rather than format.
- **A means of supporting** the integration of information at a business layer instead of a technological layer.
- **"Plug-and-play" bundles of code** that address in a very consistent manner authentication, translation and linking from a Muse system to the target data service that the Source Package was built for.

SOURCE PACKAGE BUILDING BLOCKS



Authenticator

- Allows for different methods of credentialing for users
- Interchangeable between compatible sources
- Uses data in Source Package Profile to make connection

Connector

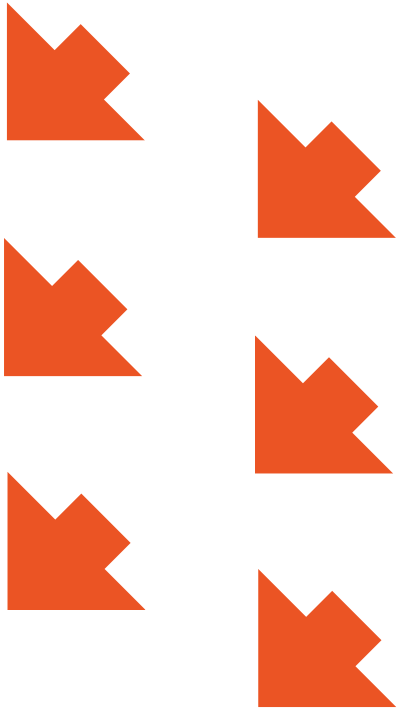
- Code for communication between Muse and a Source
- Defines protocol for messaging back and forth
- Uses data in ISR and IDR to interpret searches and responses

ISR & IDR Maps

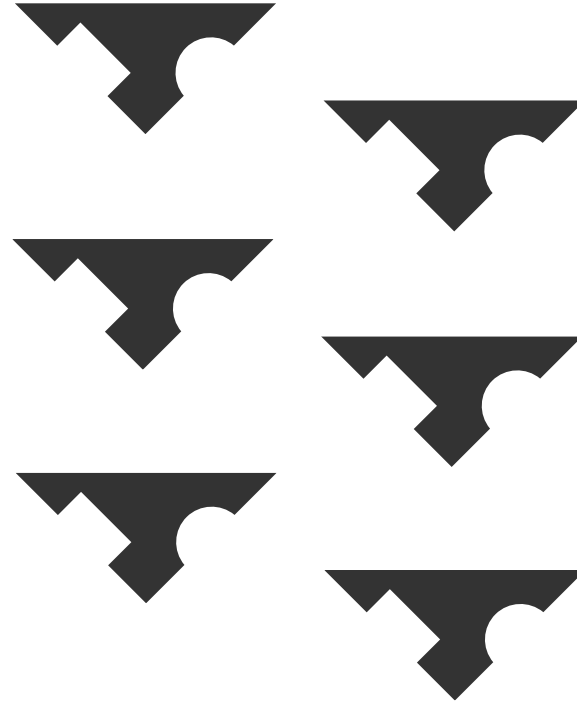
- Establishes translation for searches to native language of source
- Defines data-element tagging and normalization for specific data elements

SOURCE PACKAGE SUM OF PARTS

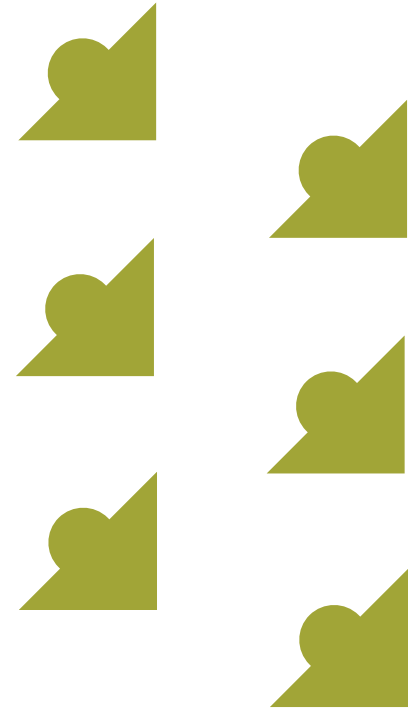
AUTHENTICATOR



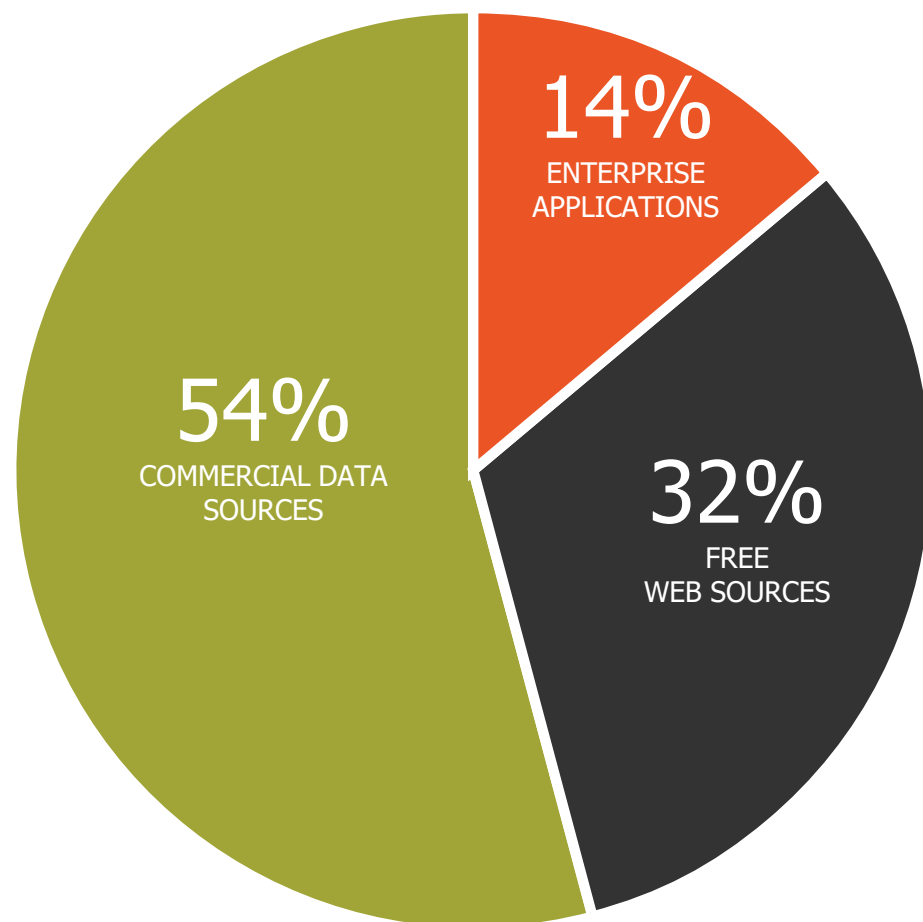
IDR & MAPS ISR



CONNECTOR

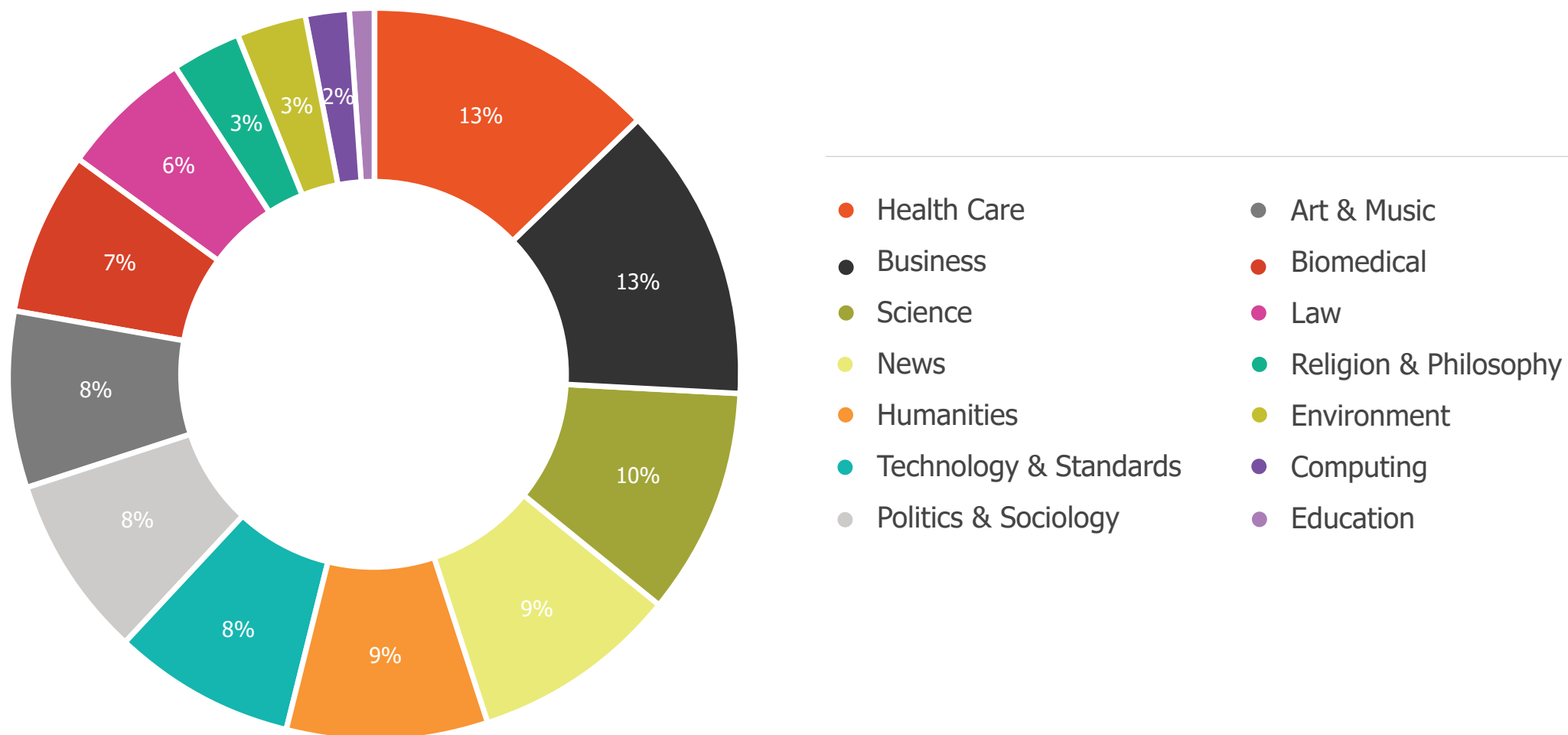


SOURCE PACKAGES TYPES



- Business
- News
- Art & Music
- Health Care
- Religion & Philosophy
- Environment
- Biomedical
- Technology & Standards
- Law
- Science
- Humanities
- Politics & Sociology
- Computing
- Education

SOURCE PACKAGES SUBJECTS (SPECTRUM)



SOURCE PACKAGES CONFIGURATION

The screenshot displays the 'Muse Console for Applications Administration' interface. The main section is titled 'Applications: MuseKnowledgeFoundation Sources List'. It features a table with columns: Name, ID, Installed Date, Status, Build Date, and Version. The table lists 10 source packages, all with a status of 'Working' (indicated by a green checkmark). The source packages include Artcyclopedia, Astrophysics Data System, Britannica Academic, Brooklyn Public Library Catalog, Credo Reference, Dictionary, Elsevier: Engineering Village, Elsevier: ScienceDirect Books, Elsevier: ScienceDirect Journals, and Elsevier: Scopus. Below the table, there are several filter options: 'Show only the source names beginning with:', 'Show only the source names containing:', 'Show only the sources with the following install status:', and 'Show only the sources with the following test status:'. A legend at the bottom indicates the status of the sources: Installed (black square), Not Installed (red square), Out of Date (green square), Tested (green checkmark), Not Tested (green square), Working (green checkmark), Not Confident (red X), Probably Working (green checkmark), Not Working (red X), Might Not Work (yellow square), and Unknown (grey square).

Manage the MuseKnowledge™ Source Packages through the MuseKnowledge™ Administration Consoles: MuseKnowledge™ Console for Applications Administration and MuseKnowledge™ Console for Customer Support.

- Available Source Package Actions
- Installed Source Packages
- The build date of the Source Package
- The date when the Source Package was installed
- The test status of the Source Package: Working, Not Working, Unknown, etc.
- The version of the installed Source Package
- Filters for quickly identifying the desired Source Package(s)

SOURCE PACKAGES CONFIGURATION

Configure every aspect of a MuseKnowledge™ Source Package:

- **Identification and Description**
- **Search and Home URLs**
- **Connection Parameters:** User Agent, Time Slice, Connect Time Out, Read Time Out, Time to run, Encoding, Database Name
- **Mapping Files:** ISR, IDR
- **Authentication Settings:** Authenticator, User Name, User Password, User Pin
- **Extended Parser Settings:** Use Extended Parser, Extended Parser Class, Extended Parser Encoding, Extended Parser Configuration File
- **Proxy Settings:** Use Proxy, Proxy Host, Proxy Port, Proxy PAC, Proxy Authorization Scheme, Proxy User Name, Proxy User Password
- **Server Settings:** HTTP User Name, HTTP User Password, HTTP Authorization Scheme, SSL Certificates
- **Navigation Manager Settings:** Link URLs

Import configuration values from Profile

“Configure more Sources like this” feature

Backup, Restore a Muse Source Package



SOURCE PACKAGES CONFIGURATION

Source Advanced Configuration

i Edit the text on the page and click "Update" to modify details of this Source. Click "Reset" to remove your edits and restore the previous text. [More »](#)

Import Values from Profile

Profile: No file chosen

☒ Backup Source before importing Profile

Backup Source | Configure more Sources like this

Source Advanced Configuration

Identification and Description

Source ID: SpringerBooksXML The ID of the Source as interface.

Name: Springer Books The name of the Source interface.

Description: Springer is a leading global scientific publisher of books and journals, delivering quality content through innovative information products and services. It publishes close to 500 academic and professional society journals. Springer is part of the publishing A description of the Source. Note: This description is interface.

Search and Home Addresses

Home URL:

Search URL:

Display URL:

Connection Parameters

User Agent:

Source Advanced Configuration

Search URL:

Display URL:

Connection Parameters

User Agent:

Time Slice:

Connect Time Out:

Read Time Out:

Time to run:

Encoding:

Database Name: Databases to search on.

Mapping Files

ISR:

IDR:

MAP:

Proxy Settings

Use Proxy: ☒ Yes ☐ No Proxy Details will be used from General Settings but no settings have been entered.

Proxy Host:

Proxy Port:

Proxy PAC:

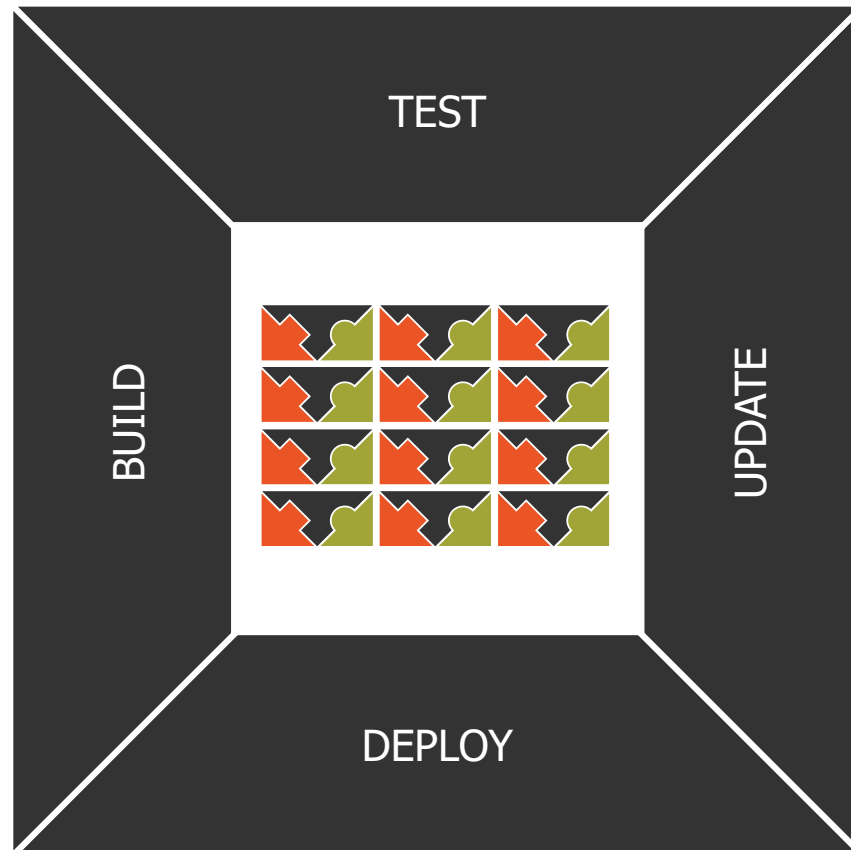
Proxy Authorization Scheme:

General Settings - Proxy

Control entirely the behavior of a Source Package through configurations



MUSEKNOWLEDGE™ SOURCE FACTORY



- **Over the last decade**, Muse has amassed a library of more than 6,000 Source Packages. This global library, called the Muse Source Factory, serves as a central repository of Source Packages that are licensed to Muse implementations.
- **Built-in consoles** in Muse let system managers choose from the vast array of sources in the Source Factory, and they can be downloaded seamlessly into local Muse installations.
- **The seamless, bidirectional integration** of the Source Factory into the administrative consoles of Muse mean that whenever a Source Package is corrected and published, the implementations of Muse out in the world get notification of the available update.
- **Because Sources can change** as their providers enhance them, Source Checking can identify those that need attention from the Muse development team, and they are flagged for testing and update.

MUSEKNOWLEDGE™ SOURCE FACTORY

Muse Sources

[Insert](#) [Export to CSV](#) [Export to Excel-XML](#)

1 - 20 of 7776 Records

Skip to:

Go



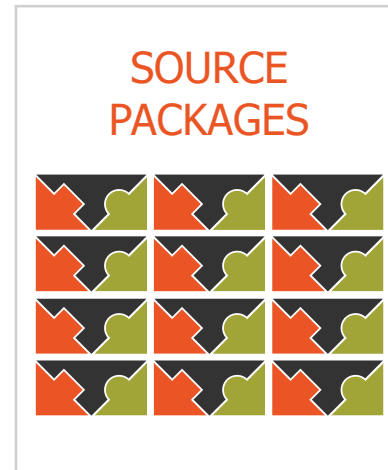
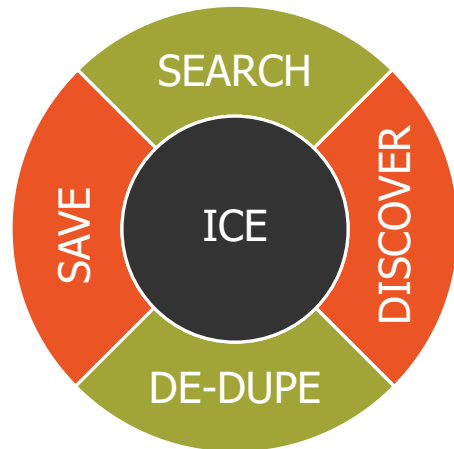
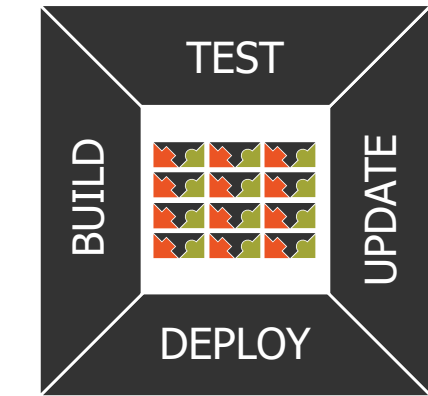
Per Page: 20

Go

	Source Name	Source ID	Status		Date Created (UTC)	Build Date (UTC)	Data Service	Type	Host	Protocol	Access	Package Version
			Prod	Test								
1	21 Media: Shushengzhijia	TwentyOneMediaShushengzhijia_cn	✓	✓	2006-04-25 18:23:28	2014-01-11 08:26:32	Shushengzhijia	Database	21 Media	HTTP/HTML	Subscription	1.73
2	4to40	FourTo40	✓	✗	2005-11-15 06:59:26	2014-01-11 05:31:49	4to40	Web Portal	Four to 40	HTTP/HTML	Free	1.94
3	A C Bilbrew Library (Z)	ACBLZ	✓	✓	2005-06-14 02:03:30	2014-01-11 03:12:17	A C Bilbrew Library	Catalog	A. C. Bilbrew Library	Z39.50	Free	1.123
4	AAA: AnthroSource	AAAAS	✓	✓	2005-11-30 03:26:16	2014-01-11 03:09:17	AnthroSource		American Anthropological Association (AAA)	HTTP/HTML	Free	1.96
5	AAAS: Science Online	AAASSO	⊞	—			Science Online	Database	American Association for the Advancement of Science (AAAS)	HTTP/HTML		
6	AAPG: Datapages-- Petroleum Abstracts	AAPGDPetAbs	✓	✓	2010-12-28 03:18:05	2014-01-11 03:09:33	AAPG Datapages-- Petroleum Abstracts	Database	American Association of Petroleum Geologists (AAPG)	HTTP/HTML	Subscription	1.66



SMART CONNECTOR ECOSYSTEM



Connectors need a world to live and work in:

- **Deployment**

- The Muse Source Factory contains details of all Connectors
- Automated Source Update handles endpoint deployment

- **Monitoring**

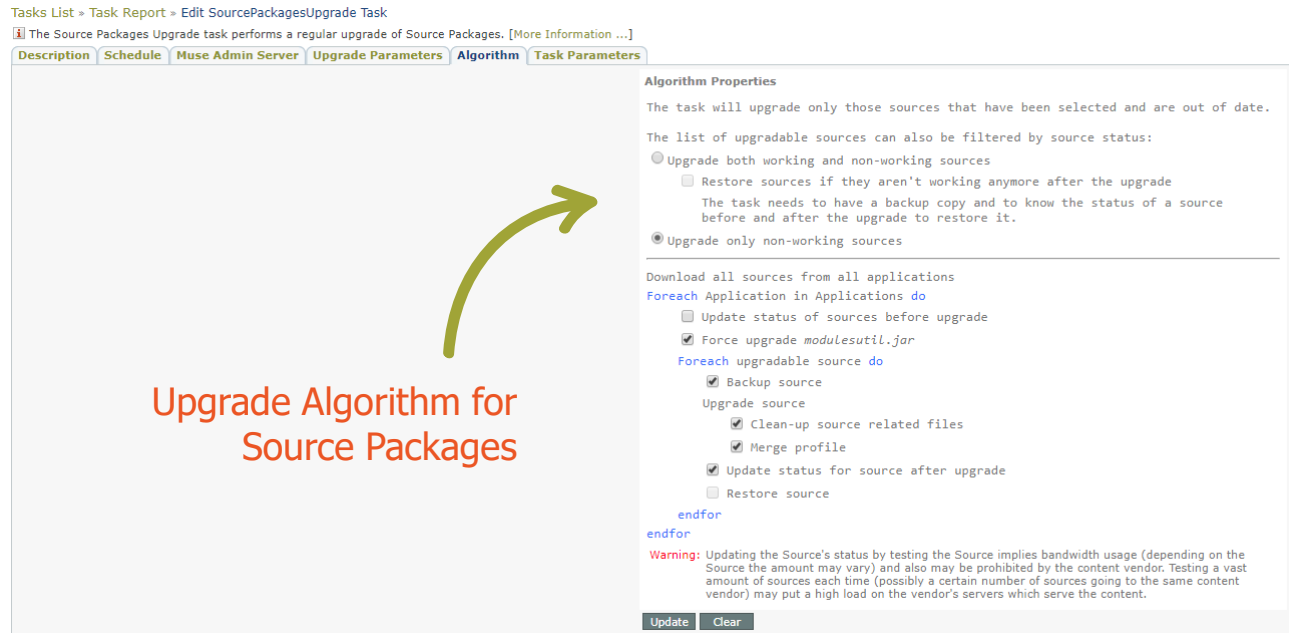
- The Source Checker operates constantly
- Results of user operations are used for early warning

- **Repair**

- Automatic and user notification
- Tracking, testing and building system



TOOLS FOR SOURCE PACKAGE MAINTENANCE



Upgrade Algorithm for
Source Packages

Source Packages Upgrade MuseKnowledge™ Control Center Task File

- No need to manually update the MuseKnowledge™ Source Packages, now it can be handled automatically;
- Very useful when administering a big number of applications;
- Complex algorithm for upgrading the Source Packages;
- Email notifications for task completion/error/failure with logs attached.



TOOLS FOR SOURCE PACKAGE MAINTENANCE

SourceChecker Report for *mgbcheck* from date 29 Apr 2014

Status for Sources	Number	Percentage	Sources
Successful	834	72.77 %	
No records	208	18.15 %	
With zero estimate	203	97.6 %	ABEKTTEL, ABEKTATHINA, ABEKTDIMTRA, ABEKTGLAFKA, ABEKTtutArgos, ABEKTM8H, AccessWashington, ACLSHistoryEbooks, ABEKTNOA, ABEKTPHOTEE, ANZWEBS, ANVResearcher, EBERER, BestBookEzzy, BOPCRIS, Borders, Buch, BYUCosmosDM, BBC, CEP3PP, ChemNetBaseCCD, CNN, CSB, EconomistPE, Economist, EducationPlanet, ESPN, Excite, ExciteUK, FamilySearch, FindArticles, FirstSearch, Forbes, FourTo40, FoxSports, Franklin, GoogleImages, GoogleLocal, GPOAccess, GRB_RFD, rw, GRB_RFD, rw, HEALLink, ICT, IMDb, INHACD, IPacELansing, IWON, LexisNexisMH, MEDLINE, Metacrawler, Monster, MusicLoG, NAP, NaverPhotoNews, NebraskaEL, NebraskaELCS, NebraskaSPO, NELH, OpenDirectory, OSTI, PBSVideo, POPLINE, Polymers, RefDesk, RHS, SpieWeb, SigmaAldrich, SpieWebVolume, SpieWebPaper, SportsIllustrated, SportsLine, Springer, TalisDCU, Superiorland, Thomas, ThomasRegister, TLG, TOXNETCHEMIDPLUS, TOXNETDART, UNECE, UnitedWayNYC, WANDTaxonomyDemo, Wired, WorldBank, YahooKR, ABLEDATAA, AcademicInfo, AcademiaSRDA, rw, AminCEPS, Artfact, BEPressRNOXML, BBAWIDG, Bliptv, CDWareArticles, CDWareDoctoralTheses, CICT, DATASXML, DailyMotionV, ED, gov, FAOAGRIS, FindArticlesFree, Formatix3000, GalupGalupOrgSite, IACAsk, com, IFILM, DNISTArticle, IndeedJobSearch, LOCPOC, MITOCW, M5NMSNBC, com, MRSProceedings, MultnomahWS, NARICREHABDATA, NCCUCEDBooks, rw, NCCUCEDExperts, rw, NDLOPACJP, go, jp, NIMHWS, LWWonline, NLKCatalog, kr, NYTCnNYTimes, OCLCOpenWorldCat, PBSBBS, org, PsychWeb, PewRCIAL, PublishersNewsWire, RNFRReligionLink, PictureAustralia, au, Scran, ShihHsinUWCLB, rw, StanfordEncyPhilosophy, ShihHsinUWCLP, rw, ShihHsinUWCLT, rw, TIERTIE, rw, TRITopoRes, rw, TechWebTE, UMichSR, VNUBrandweek, WaterbrookPC, YouTube, hotels, com, wanadoovilla, fr, IACAskBlogs, MobileWallpaper_Net, EpinoisisRingophone, EpinoisisRingophone_Animated, EpinoisisRingophone_Graphics, EpinoisisRingophone_Wallpapers, RTJB_Ringtones, EpinoisisRingophone_Realtones, RTJB_Flirtones, RTJB_Games, EpinoisisRingophone_Ringtones, EpinoisisRingophone_RingtonesP, RTJB_SoundEffects, MobileWallpaper_BigLogos, MobileWallpaper_GroupLogos, MobileWallpaper_PicturesMessage, MobileWallpaper_OperatorLogos, RTJB_VoiceRingers, MobileWallpaper_Ringtones+OTonesP, MobileWallpaper_RingtonesP, MobileWallpaper_RingtonesRS, MobileWallpaper_Screensavers, MobileWallpaper_RingtonesM, FTAsia, com, MobileWallpaper_Wallpapers, IDCResearch, CredoRef, FOFNSWDAPI, FOFNSTOFAP, USAToday, FOFNSICOFAP, FOFNSWAAP, FOFNSICAHAP, FOFNSWAEAP, CollPubCP, CollPubDWO, CollPubDRayRSS20, CollPubFN, CollPubNL, CollPubTDTexanRSS20, CollPubDIO, ISUID, ODUMC, MSUSN, ASUWD, SCSP, UDFN, YUDN, UTAS, ReevesML, IACAK, ACLSHumanitiesEB, WHSmithBook_uk, CASHLBook_cn, EBSCOETHSNMWMXML, EBSCOETHRIPADML, EUCP, Snes, WDL_ara, ProQuestSRU, Melvyl
With non-zero estimate	5	2.4 %	WebReconFindersU, BNCatalog, es, IceRocketBlogs, O'Reilly, Smashwords
Failed	104	9.08 %	
ERROR_MODULE_INVALID_URL An invalid URL was encountered. [A]	2	1.92 %	ENOVEL, NorthernLights
ERROR_MODULE_READ_BAD_REQUEST Cannot read from A target. [The request to the URL "B" made through the proxy "C" was reported by the server as a "Bad Request". HTTP Response Code: D.]	1	0.96 %	ExpediaCars
ERROR_TRANSPARENT A	21	20.19 %	ProQuestABIDNFORMGlobalSRU, ProQuestHooversCRSRU, ProQuestPPSRU, ProQuestPQDTSRU, ProQuestComputingSRU, ProQuestReligionSRU, ProQuestNursingSRU, ProQuestRLSRU, ProQuestPsychASRU, ProQuestABIInformDSRU, ProQuestATPSRU, ProQuestFunTSRU, ProQuestCTESRU, ProQuestABIDNFORMTradeIndustrySRU, ProQuestEBSRU, ProQuestTelecommunicationsSRU, ProQuestPNISRU, ProQuestABRSRU, ProQuestPRLASRU, ProQuestWJSRU, ProQuestAPWSRU
ERROR_MODULE_DB_NOT_AUTHENTICATED Database A is not authenticated.	1	0.96 %	EBSCOETHRIPADML
ERROR_MODULE_RECORD_PROCESS Cannot process records from A target. [B]	1	0.96 %	Sweet'sWiseEIAS
ERROR_MODULE_RECORD_PROCESS_TIMEOUT Cannot process records from A target - timing out. [B] Cannot process records from C target. [The request to the URL "D" made through the proxy "E"]	2	1.92 %	NCCUDTCinema, rw, Videolectures_net
ERROR_EXCEPTION_UNKNOWN Unknown Exception: A	9	8.65 %	AccessPAZ, CLSanZ, HKIED, HKU, PacHSLZ, StanfordZ, SEUZ, UdelRosarioSBCZ_co, UNLIRIRSZ
ERROR_MODULE_READ Cannot read from A target. [B]	57	54.81 %	AECLLSydneyPLUS, ca, ASMAAlleyCenterOnline, BibliothekArtkelioeg, dk, BibliothekDK, CanadianEncyclopedia, CareData, Ebrary, EbraryXML, CCNECH, rw, GoogleUncleSam, Kanoodle, LexisNexisMSC, LibertyFundOLL, Scirus, ScirusB, TalisUL, UnibaltVebit, WebCatSocrates, Wissen, CrainAdAge, LEC, ca, fr, NCCUCEDRenminbi, rw, NCCUDTT, rw, Metamotours, NavPressProducts, Ringtones, com, ThiemeeEL, URJGSONSGL, WPGIAHR, JSTOR, CaltechCODA, Ringtones, com, Polytones, Ringtones, com, Realtones, FlycellIFT, FlycellA, FlycellGraphics, FlycellIRT, FlycellGames, FlycellISS, FlycellRingT, FlycellV, FlycellT, JSTORSRU, ArtSTORSRU, OSTIHPDXML, KidsInfoBits, Books24x7RP, INFOTRACCLC, INFOTRACCA, GalePowerSearchGaleVEL, KidsInfoBitsBaxter, GalenetTXA, GalePowerSearchInforma, GalenetDDRS, MillsBoon, eu, eu, com, EconBiz_de
ERROR_MODULE_READ_INTERNAL_SERVER_ERROR Cannot read from A target. [The request to the URL "B" made through the proxy "C" has returned an internal server error.	4	3.85 %	EURLexOJ, PICMAN, SIPRI, AlexanderFP

Source Checker MuseKnowledge™ Control Center Task File

- Perform regular checks of the installed Muse Source Packages
- Store the test status for having accurate and up to date test status values
- Get detailed report with the test results
- Email notifications for task completion/error/failure with logs attached



Detailed HTML report of the Source Packages check.



TOOLS FOR SOURCE PACKAGE MAINTENANCE

Report Broken Source Packages for Fixes, Updates

- Easily done through the Muse Administrator Consoles
- The Source Problem Report is sent upon submission to Muse Technical Support department

If the Source Package fails in retrieving results or if the parsed information is not correct simply click on the "Problem Report" button.

Just fill in the requested information and submit the problem report.

The screenshot displays the 'Muse Console for Applications Administration' interface. On the left, the 'Source Actions' menu is visible, with 'Test Source(s)' highlighted. A green arrow points from this menu item to the 'Test Source(s)' dialog box. The dialog box contains a 'Query' field with the value 'science' and a 'Per Source' dropdown set to '10'. Below the dialog, the 'Source Report' form is open, showing fields for 'Email To:' (Muse Support), 'Contact Information', 'Organization Name:', 'Contact Person:', and 'Email Address:'. A green arrow points from the 'Problem Report' button in the 'Request Type' section to the 'Email Address' field. The background shows a table of source packages with columns for ID, Installed Date, Status, Build Date, and Version.



TOOLS FOR MUSEKNOWLEDGE™ MAINTENANCE

The screenshot displays the 'Muse Console for Application Administration' interface. On the left, the 'Source Actions' panel lists various source management options. The main area shows the 'Problem Report' form, which includes fields for 'Email To:', 'Organization Name:', 'Contact Person:', 'Email Address:', 'Problem is Related to:', 'Problem Description:', 'Steps to Reproduce the Problem:', and 'Attach File(s)'. A green arrow points to the 'Problem Report' tab. To the right, a table lists installed sources with columns for 'Installed Date', 'Status', 'Build Date', and 'Version'. A green arrow points to the 'Problem Report' form.

Installed Date	Status	Build Date	Version
2017-10-11	✓	2017-04-13	1.102
2017-10-11	✓	2017-04-13	1.97
2017-10-11	✓	2017-04-13	1.4
2018-02-12	✓	2018-01-11	1.189
2017-10-11	✓	2017-04-13	1.122
2017-10-11	✓	2017-10-04	1.116
2017-10-11	✓	2017-06-30	1.7
2017-10-11	✓	2017-06-30	1.15
2017-10-11	✓	2017-06-30	1.11
2017-10-11	✓	2017-06-30	1.13

Report a MuseKnowledge™ System Problem

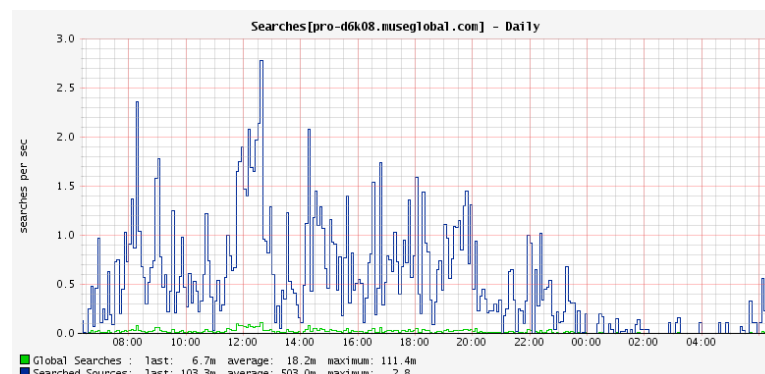
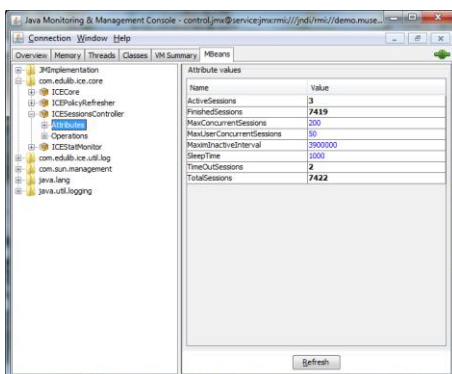
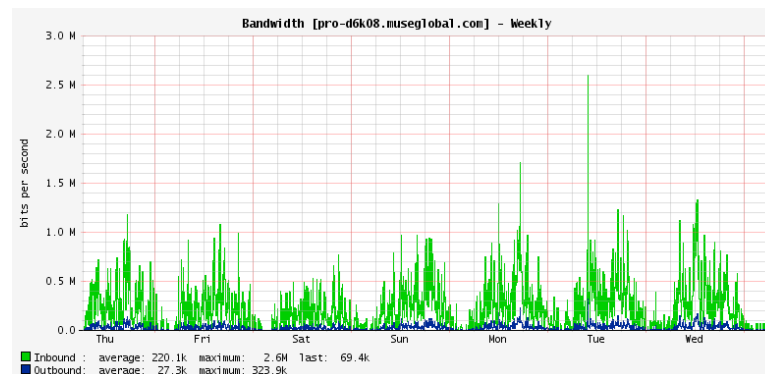
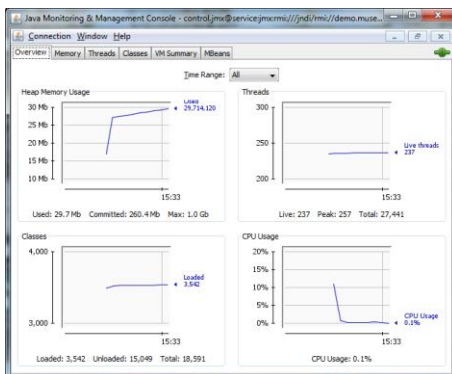
- Easily done through the Muse Administrator Consoles
- The Problem Report is sent upon submission to Muse Technical Support department

Click on the "Problem Report" menu item to send a Muse Problem Report.

Just fill in the requested information, allow the report to collect log files, attach any relevant information and submit the problem report.



MONITORING THE MUSEKNOWLEDGE™ SYSTEM



Real Time Monitoring

- Check servers status and system lifespan through the Muse Knowledge™ Console for Applications Administration
- Advanced monitoring of Muse servers through JMX
- Historical JMX graphs with RRD Grapher

Monitor

Muse Monitor
This panel allows checking the current status of the servers running under the Muse Environment.

Server	Port	Status
1 Embedded Apache Tomcat	8000	Running ...
2 ICE Server	2504	Running ...
3 Muse Proxy Server	9797	Running ...
4 Muse Z39.50 Bridge	2100	Not Running

Refresh (seconds): --

System Lifespan shows the length of time remaining for your use of Muse according to your contractual agreements with MuseGlobal Inc. [More >](#)

Start Time	End Time	Remaining Time
2018.01.12	2019.01.12	9 months 16 days

Close Window



USAGE STATISTICS

MuseKnowledge™ Statistics Monitor

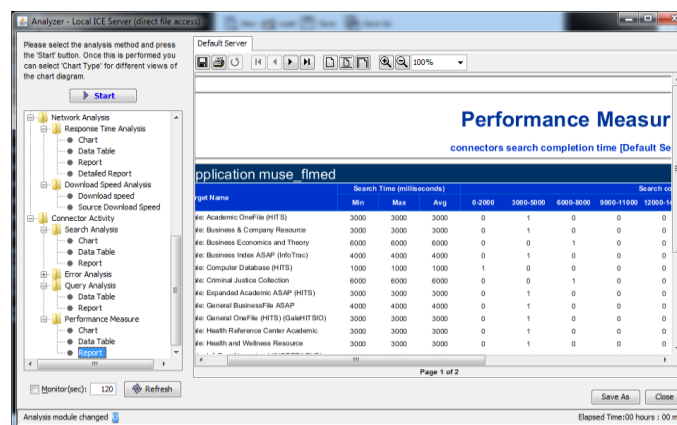
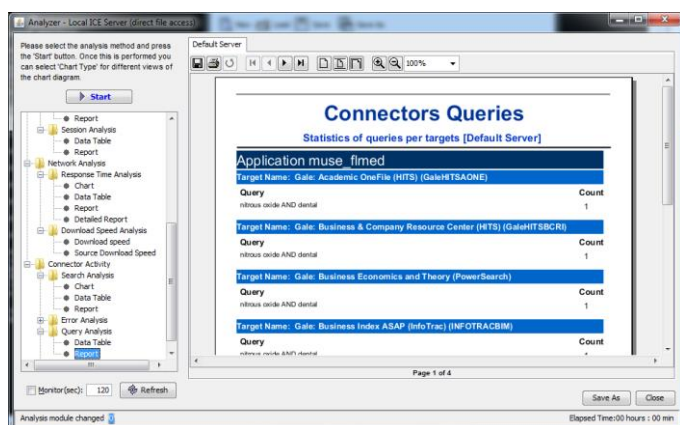
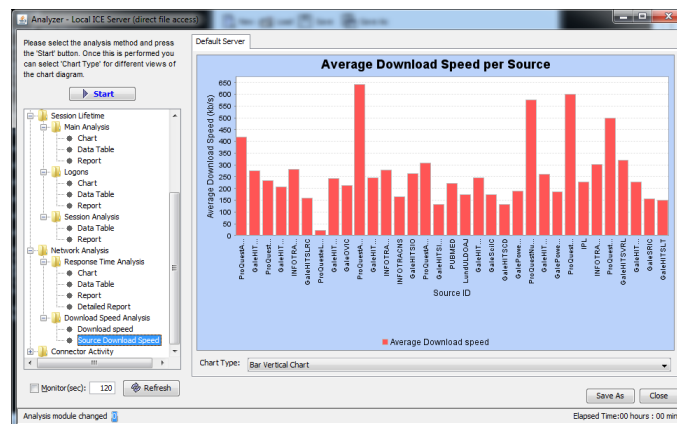
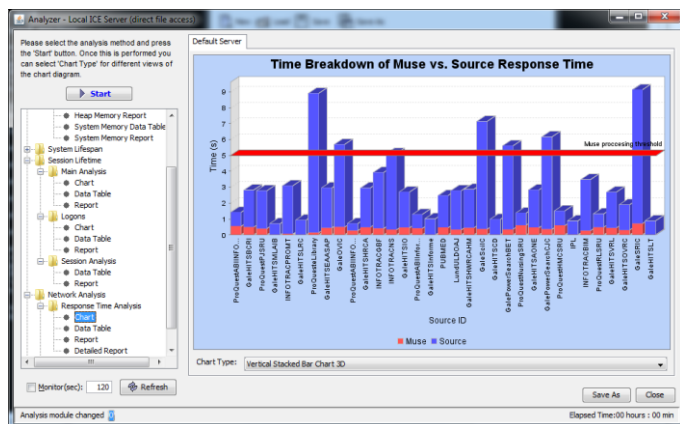
- **Desktop tool** for manually generating statistical information from dedicated log files
- **Can be connected** with the Muse Knowledge™ Control Center for generating regular automated usage statistics
- **Allows filters** to be specified: date filters, regular expression filters, etc.
- **Multiple analysis modules** are available, depending on the requested statistics: Memory Usage, System Lifespan, Session Lifetime, Connector Activity, Network Analysis, etc.
- **Various output formats:** CSV, XML, Graphical Tables/Charts/PDF files (only when running with the desktop GUI version)

Statistics are generated for 4 main areas of Muse activity:

- **User sessions** for gathering overall usage statistics such as number of sessions logged on, length of sessions, IP addresses of sessions, failed login attempts, etc.
- **Muse Instructions** for gathering information about the activities within Muse - searches - including queries, databases searched, parameters used
- **Muse Modules** more detailed statistics from individual search source or transaction modules including numbers of hits, time taken for query, download and processing time, etc.
- **System information** available and used memory



USAGE STATISTICS



MuseKnowledge™ Statistics Monitor



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| SEARCH

SMART CONNECTOR
TECHNOLOGY FOR FEDERATED
SEARCH

