



MUSE

MuseKnowledge™ Proxy Applications

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MuseKnowledge™ Proxy

Highly customizable multi-platform proxy server

- Gateway to authenticated restricted content;
- Rewriting web server;
- Web Access Management (WAM);
- Multi tenant hosting for all customers;
- MuseKnowledge™ Proxy Applications:
 - Fully configurable interfaces allowing administrators to setup remote or local Data Sources ("Sources");
 - End users enjoy a single sign-on for all of the subscribed data;
 - The number of MuseKnowledge™ Proxy Applications and sources installed in an application are controlled by the license;

More than 10 years within the Muse Federated Search Platform to manage the authentication to resources and the navigation to full text.

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MuseKnowledge™ Proxy

MuseKnowledge™ Proxy Terminology

- Source – content provider resource (platform, website);
- MuseKnowledge™ Proxy Source profile – XML file with the configuration options for a specific resource;
- MuseKnowledge™ Proxy files location on disk: $\${MUSE_HOME}/proxy$

Where $\${MUSE_HOME}$ is default *%ProgramFiles%/muse* on Windows Operating Systems and */opt/muse* on Linux Operating Systems.

- MuseKnowledge™ Proxy Application location on disk:
 $\${MUSE_HOME}/proxy/webcontexts/Applications/Application_ID$

Where *Application_ID* is the ID of the MuseKnowledge™ Proxy Application.

MuseKnowledge™ Proxy Applications

- Bundle of all components: web interface, sources, authentication;
- By default, Muse Proxy comes with two pre-configured Applications: MuseProxyFoundation and Anonymous.

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MuseKnowledge™ Proxy Applications

MuseKnowledge Proxy

Muse Proxy Foundation Application

Default Sources: Subscribed Sources: 30

- 1. OpenThesis**
OpenThesis is a free repository of theses, dissertations, and other academic documents, coupled with powerful search, organization, and collaboration tools.
- 2. Project MUSE**
Offers the full text of JHU Press scholarly journals via the world wide web. In 2006, Project MUSE enters its second phase of development with the addition of over 60 quality journal titles from other scholarly publishers, bringing the database's total offerings to well over 100 titles.
- 3. Techniques de l'ingénieur**
Actualisées en permanence, les bases documentaires Techniques de l'ingénieur représentent la plus importante collection technique et scientifique en langue française, incontournable pour tous les ingénieurs scientifiques, chefs de projet, bureaux d'études et industriels.
- 4. Thieme Medic Publishers: ElectronicBook Library**
Thieme ElectronicBook Library provides a resource for learning, review and research in medicine and life science. Systematically covering every course in the medical school curriculum, Thieme's highly popular Flexbook Atlas & Textbook series is now accessible online through the new Thieme ElectronicBook Library. Packed with exquisite illustrations and succinct text, this beautifully produced collection retains the outstanding educational utility of the print books, while incorporating powerful search functions to allow easy pinpointing of topics. As a course text, reference or review guide this web-based resource is essential for every student, researcher and clinician on campus. Valued by students for over 30 years for their concise presentation of complex topics, the Flexbook Atlases & Textbooks have been sold to over 70 million readers worldwide.
- 5. Torpedo Ultra Digital Library Initiative**
Welcome to TORPEDO Ultra v2.0.19, the Ruth H. Hooker Research Library's upgraded retrieval system for searching NRL's locally loaded Digital Library. This powerful new version of the TORPEDO Ultra system currently allows searching across thousands of full text articles from several publishers (Academic Press, the American Institute of Physics, the American Meteorological Society, the American Physical Society, Elsevier Science, the Institute of Physics, Kluwer Academic Publishers, the National Bureau of Standards, the National Institute of Standards and Technology, and the Optical Society of America), NRL Formal and Memorandum Reports, NRL-authored journal articles and conference papers, and NRL Press Releases. Over the next year, the full text content of additional publishers (IEEE, IEEE) will be added. From a total of 2,139,833 documents (17,461,837 pages) currently in the system, you are authorized to access 1,478 documents.
- 6. UpToDate**
UpToDate® is the premier evidence-based clinical decision support resource authored by physicians to help healthcare practitioners make the best decisions at the point of care. By combining the latest clinical knowledge with cutting-edge technology, UpToDate changes the way clinicians practice medicine and has become an indispensable part of clinical workflows in institutions and practices worldwide.
- 7. Wiley InterScience Online Books**

Anonymous Application

Sources for U/P authentication (16 subscribed):

- FORENSICnetBASE**
Featuring works by esteemed criminologists and forensic practitioners, this unparalleled e-library boasts an ever-growing number of essential references in crisis management and negotiation methods, arson and homicide investigation, expert witnessing, and forensic pathology. This versatile invaluable product is well-suited to the needs of the smallest of sheriff's departments to large governmental law enforcement agencies, such as the CIA, DEA, and FBI.
- Wikipedia**
A free encyclopedia built collaboratively using wiki software.
- Encyclopedia Britannica: Britannica Online (free access)**
Encyclopedia Britannica Inc. and Britannica.com Inc., headquartered in Chicago, Illinois, are leading providers of learning and knowledge products.
- NYPL: CATNYP--NYPL Research Libraries Online Catalog**
CATNYP contains the Libraries' cataloging since 1972, as well as earlier titles added to CATNYP as part of ongoing recataloging projects.
- Amazon**
Amazon.com: Online Shopping for Electronics, Apparel, Computers, Books, DVDs & more.
- PubMed (MEDLINE)**
PubMed, a service of the National Library of Medicine, provides access to over 11 million MEDLINE citations back to the mid-1960's and additional life science journals. PubMed includes links to many sites providing full text articles and other related resources.
- Thunderstone**
Thunderstone is an independent R & D company that has been providing high-performance state-of-the-art solutions to intelligent information retrieval and management problems for over 19 years.
- MarketResearch**

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MuseKnowledge™ Proxy Applications Comparison

Feature	Anonymous	Muse Proxy Foundation
Sources Groups	2	1
Source Types	Free Only	Free Only
Authentication Groups	2	1
Authentication Type	IP for first groups and User/Password for second group	The authentication group authenticates by IP, with User/Password fallback when the IP authentication fails.
Uses CSS	Yes	Yes
Uses JavaScript	No	Yes
Uses jQuery	No	Yes
Displays a Timeout pop-up when the Application is about to expire	No	Yes
Sources Pagination	No	Yes
Source Icon	No	Yes
Brief/Full Display	No	Yes
Source Icon	No	Yes
Sources Search	No	Yes
Source Sort	No	Yes
About and Contact Links	No	Yes
Logout Link	Yes	Yes
Index Page	Yes	Yes

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Note: Do not make changes in these 2 Applications - they are overwritten in case of an upgrade or rerun of the Muse Proxy Setup. They are intended to be template Applications only. Create new Applications as copies of these Applications templates.

Steps to Create a New Application

- Clone the MuseProxyFoundation template;

- Recursively copy the folder:

`${MUSE_HOME}/proxy/webcontexts/Applications/MuseProxyFoundation`

to `${MUSE_HOME}/proxy/webcontexts/Applications/FoundationNew`

- Edit the file:

`${MUSE_HOME}/proxy/webcontexts/Applications/FoundationNew/WEB-INF/web.xml`

And make changes in the following nodes:

- *NAME*: put here the name of the new application;
- *DESCRIPTION*: put here the description of the new application;
- *URL_RULES/URL_PATTERN*: from the value of this pattern change the MuseProxy Foundation string to another string (use the *IDENTIFIER* set above e.g. FoundationNew). This is the URL that will trigger displaying the actual application;
- *WEB_MODULES/WEB_MODULE/PARAMETERS/ROOT_PATH* : The value of this field must be in accordance with the value of the *URL_RULES/URL_PATTERN* field set above. It must specify the root path for this web context - for this example it must be `/FoundationNew`;

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Steps to Create a New Application

- Edit the file:

`${MUSE_HOME}/proxy/webcontexts/Applications/Applications.xml`

and add the new application:

- duplicate an existing *APPLICATION* node;
- in the new node change *IDENTIFIER* sub-node to a unique identifier (usually this is the directory name), *FoundationNew* in this case;
- set/change the code attribute of the *IDENTIFIER* to the next sequential value available; for re-logout behaviour this code must be stable and unique and currently in the range 0-1295. If no code attribute is provided the order of the application gives the code, but changing the order will make older URLs point to different applications. The application code, then represented in base 36, is part of the navigation sessionID value.
- in the same new node change the *DIRECTORY* sub-node to the path previously set (`${MUSE_HOME}/proxy/webcontexts/Applications/FoundationNew`).

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Optional Configurations

- Configure the Server IPs on which the MuseKnowledge™ Proxy Application will respond by editing the file:

`${MUSE_HOME}/proxy/webcontexts/Applications/ApplicationID/WEB-INF/web.xml`

and adding the Server IP(s) on which this Muse Proxy Application must respond in the `CONTEXT_ACTIVATION_RULES/SERVER_IP_RULES` node, as `ALLOW` sub-nodes.

- Configure the application expiry date by editing the file:

`${MUSE_HOME}/proxy/webcontexts/Applications/ApplicationID/WEB-INF/web.xml`

and adding value to the `CONTEXT_ACTIVATION_RULES/EXPIRY` node.

- Configure the URL path pattern(s) on which the Muse Proxy Application will respond by editing the file:

`${MUSE_HOME}/proxy/webcontexts/Applications/ApplicationID/WEB-INF/web.xml`

and changing the value set for the `CONTEXT_ACTIVATION_RULES/URL_RULES/URL_PATTERN` field. Example:

```
<URL_PATTERN rootPath="/ProxyApplication">/ProxyApplication((/.*)|(\?.*))?</URL_PATTERN>
<URL_PATTERN rootPath="/rewrite">/rewrite((/.*)|(\?.*))?</URL_PATTERN>
```

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Accessing an Application and its Resources

- Make sure MuseKnowledge™ Proxy server is running;
- Each application has by default its own access URL:

http://\${proxyHost}:\${proxyPort}/ApplicationID/

where ApplicationID is the application ID, *\${proxyHost}* is one of the IPs on which Muse Proxy runs and *\${proxyPort}* is one of the ports on which MuseKnowledge™ Proxy runs (by default 9797 for regular HTTP access and 9443 for HTTPS access);

- Entry point links:

http(s)://\${proxyHost}:\${proxyPort}/ApplicationID?groupID=\${groupIDValue}&\${applicationAuthenticationParameters}&[&action=source]&sourceID=\${sourceIDValue}

http(s)://\${proxyHost}:\${proxyPort}/ApplicationID?[groupID=\${groupIDValue}&][\${applicationAuthenticationParameters}&]url=\${nonEncodedRemoteURL}

http(s)://\${proxyHost}:\${proxyPort}/ApplicationID?[groupID=\${groupIDValue}&][\${applicationAuthenticationParameters}&]qurl=\${encodedRemoteURL}

- Extended Source Type Links - Widget and Form Integration:

http(s)://\${proxyHost}:\${proxyPort}/ApplicationID?groupID=\${groupIDValue}&\${applicationAuthenticationParameters}&[&action=source&sourceID=\${sourceIDValue}&[&nativeParams=GET|POST]&qurl=\${encodedURL}

or

http(s)://\${proxyHost}:\${proxyPort}/ApplicationID?groupID=\${groupIDValue}&\${applicationAuthenticationParameters}&[&action=source&sourceID=\${sourceIDValue}&[&nativeParams=GET|POST]&url=non-encodedURL

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More

Accessing an Application and its Resources

Example: Gale Widget (<http://support.gale.com/widgets/guest.php?page=/widgets/index.php>)

Initial HTML form

```
<div id = "psx_bottom">
  <form target = "_blank" method = "get" action =
    "http://support.gale.com/widgets/search/index.php">
    <input type = "text" name = "keyword" id =
      "psx_search" placeholder =
        "Search Resource" /><button type="submit"
      class="searchBtnFA"></button>
    <input type = "hidden" name = "loc" value =
      "LOCATION" />
    <input type = "hidden" name = "dir" value = "psx" />
    <input type = "hidden" name = "prod" value = "IPS" />
    <input type = "hidden" name = "test" value = "" />
    <input type = "hidden" name = "key" value = "" />
    <input type = "hidden" name = "pw" value = "" />
  </form>
</div>
```

Proxied HTML form

```
<div id = "psx_bottom">
  <form target = "_blank" method = "post" action =
    "http://proxy.museglobal.ro/MuseProxyFoundation?groupID=1&action=s
    ource&sourceID=Gale_IP&nativeParams=GET&url=http://support.gale.co
    m/widgets/search/index.php">
    <input type = "text" name = "keyword" id =
      "psx_search" placeholder =
        "Search Resource" /><button type="submit"
      class="searchBtnFA"></button>
    <input type = "hidden" name = "loc" value =
      "LOCATION" />
    <input type = "hidden" name = "dir" value = "psx" />
    <input type = "hidden" name = "prod" value = "IPS" />
    <input type = "hidden" name = "test" value = "" />
    <input type = "hidden" name = "key" value = "" />
    <input type = "hidden" name = "pw" value = "" />
  </form>
</div>
```

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Accessing an Application and its Resources

Example: [ProQuest](#) and [Ebsco](#) search box builders

EBSCOhost Integration Tool - X

support.ebsco.com/kit/abb.php

References Available
 Scholarly (Peer Reviewed) Journals

Publication Type:
 Journal Articles
 Books
 Newspapers

Keywords:
Keywords will be combined with user search box input.

STEP 2 Select Authentication Parameters

Proxy prefix:
i.e. <http://proxy.institution.edu/login?url=targetURL>
OR <http://targetURLDomain/proxy.institution.edu/targetURL&sender>



Methods

<input type="checkbox"/> Cookie	<input type="checkbox"/> IP Address
<input type="radio"/> Guest Access	<input type="radio"/> Personal User
<input type="radio"/> User ID/Password	<input type="radio"/> Referring URL
<input type="radio"/> Athens	<input type="radio"/> Shibboleth
<input type="radio"/> Patron ID	<input type="radio"/> Patterned ID

Guest Authentication applies to EDS only and must be configured in Admin

Secure HTTPS authentication

STEP 3 Choose a Search Box Design

STEP 4 Customize the Layout

Title:

Logo:
Want to see your own logo? Paste a URL to the image.

Height: pixels

My Research: Create Widget - ...

search.proquest.com/widget/create#

Searching: Z_databases

0 Recent searches | 0 Selected items | My Research | Exit

Preferences | English | Help

ProQuest My Research Powered by RefWorks

Sign in Widgets Import to My Research

Create widget

Widget Preview **Get Widget**

Get Widget

In order to display the widget on your own website, simply copy and paste the html code below into your own webpage

```
<iframe src="http://search.proquest.com/widget  
/searchWidget?params=&http://191.102.242.260/mo/TEXSSKCa5  
Ttdp111TKGurRdrabi0qvcqcpKZxhzeakXlqfIRBpwC3vWdW3P  
ZiEmap8H58fm%2B7%2Fjbb1JWkuzentaySHhXOq4kuaITd%2F  
f%2F%2FObnGin1y44XNDRH4R0yDDeKclV8GCWnb4jepPFv6  
1%2FQ110eHkR2DSTG365A9p0kH8sep0mcCaTKXaDWWGk  
yBU3DMZclhYRpwEAUtbh%2B4KLYh%2B9V4%2B2B8fextwMzi  
kPiS2%2FBZCky2JfCkckSL8w2FoZwZkprvYhdwW0A2wHxj  
1o2RGrRqNSUR7U6%2FO5nTr8zmKCLSozPLwefixqLH5k8  
uEG5mV6svz3555XL0LCo7whd1sNBvV53QNdWSP5GAIrHpAS  
RfjnmDEzaf5UPH8K59Nn%2BcsMAFizITIHrDFEMWIk9T%2FQD2m  
af9FmIby%2F38CAsmFmRlUcG3YWHJ  
%2B%2F%2B8Hx32ZngkC831g8su0jprHexCBmyH79Yur1
```

Search tips: Use "quotation marks" phrases, separate terms with OR search term.

Widget layout Widget setup

Databases | Search limits & options

Authentication method: Proxy

Proxy server URL:
Account ID:
Group ID:
Update

Copy HTML

Tip: It's easy to get a Widget! You can add a ProQuest search box to your web page. Use our default search box or customize your own. Learn more

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Customize MuseKnowledge™ Proxy Application Interface

- Set application defaults by editing the file:

`${MUSE_HOME}/proxy/webcontexts/Applications/Application_ID/www/InterfaceOption.xml`

- DISPLAY_TYPE: brief|detail
- PER_PAGE
- SORT_BY: none|name
- SORT_DIRECTION: ascending|descending

- Set the application skin by editing the file:

`${MUSE_HOME}/proxy/webcontexts/Applications/Application_ID/www/application.inc`

- Configure source icons by adding <IMAGE> fields for each source entry in the Sources.xml file with the URL of the icon.

2. Fonduri UE - Achiziții beneficiari privați

[Less](#) [Access Source](#)



Această aplicație web, dezvoltată de Ministerul Fondurilor Europene, centralizează toate anunțurile de achiziții derulate în cadrul proiectelor implementate de beneficiarii din mediul privat. Publicarea anunțurilor pe acest site este obligatorie, conform prevederilor Ordinului de ministru 1.120/2013 privind aprobarea procedurii simplificate aplicate de beneficiarii privați în cadrul proiectelor finanțate din instrumente structurale, obiectivul „Convergență” precum și în cadrul proiectelor finanțate prin mecanismele financiare SEE și Norvegian pentru atribuirea contractelor de furnizare bunuri, servicii sau lucrări.

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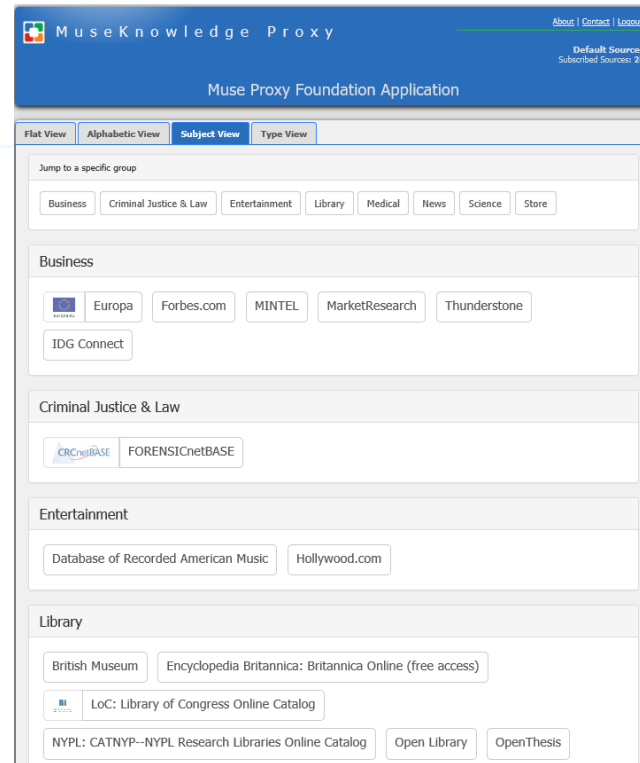
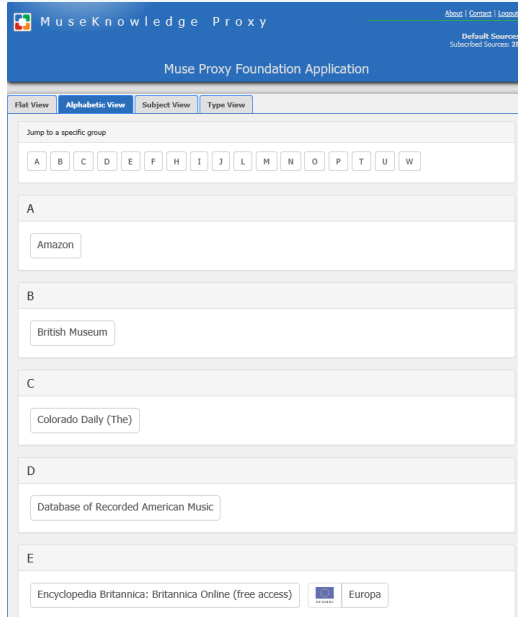


More

Customize MuseKnowledge™ Proxy Application Interface

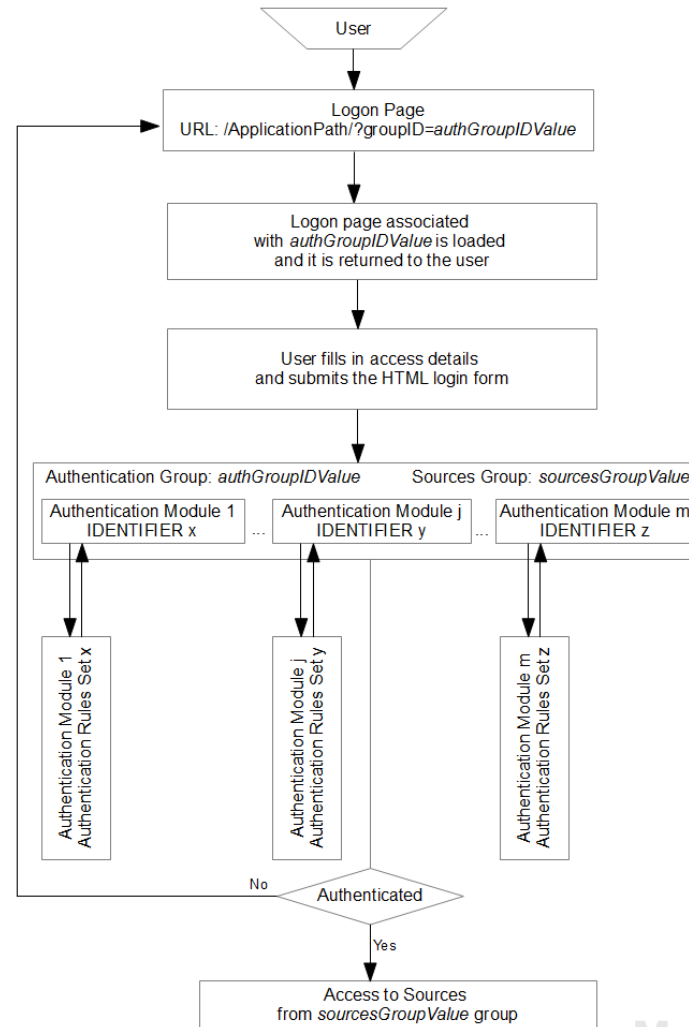
- Group sources by Subject/Type and A to Z by defining areas in the `/${MUSE_HOME}/proxy/webcontexts/Applications/ApplicationID/profiles/Sources.xml` file:

```
<AREAS>
  <AREA id="alphabetic" name="Alphabetic View" index="true" type="alphabetic"/>
  <AREA id="subject" name="Subject View" index="true">
    <CATEGORY id="business" name="Business">
      <LINK>Europa</LINK>
      <LINK>Forbes</LINK>
      <LINK>MINTEL</LINK>
    </CATEGORY>
  </AREA>
</AREAS>
```



MuseKnowledge™ Proxy Application Authentication

- Based on the Authentication Group concept;
- Extreme flexibility with regard to the authentication options and the sources groups;
- Each Authentication Group has unique identifier and separate login form;
- Multiple authentication options: SAML, SSO, IP, User/Password, HMAC, LDAP, FTP, IMAP, SQL, Referer, External HTTP service, or any combination;
- Each authentication module has its own configuration file.



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MuseKnowledge™ Proxy Application Authentication

```
<DEFAULT_AUTHENTICATION_GROUP>1</DEFAULT_AUTHENTICATION_GROUP>
<AUTHENTICATION_GROUPS>
  <AUTHENTICATION_GROUP>
    <IDENTIFIER>1</IDENTIFIER><NAME>IP and User/Password Authentication</NAME>
    <SOURCES_GROUP_IDENTIFIER>1</SOURCES_GROUP_IDENTIFIER>
    <LOGIN_RELATIVE_PATH>IPandUserPasswordAuthenticationGroup.html</LOGIN_RELATIVE_PATH>
    <INTERFACE_OPTIONS>
      <LABEL>IP and User/Password Authentication Group</LABEL><DESCRIPTION>IP and User/Password Authentication Group.</DESCRIPTION>
    </INTERFACE_OPTIONS>
    <AUTHENTICATIONS>
      <AUTHENTICATION><IDENTIFIER>4</IDENTIFIER><LEVEL>sufficient</LEVEL>
        <CLASS>com.edulib.muse.proxy.authentication.modules.ProxyLoginModuleIP</CLASS>
        <HANDLER>
          <CLASS>com.edulib.muse.proxy.authentication.modules.ProxyLoginModuleIPDataHandlerXml</CLASS>
          <PARAMETERS><CONFIGURATION_FILE>${WEB_CONTEXT_HOME}/profiles/login/ProxyLoginModuleIP.xml</CONFIGURATION_FILE>
        </PARAMETERS></HANDLER>
      </AUTHENTICATION>
      <AUTHENTICATION><IDENTIFIER>5</IDENTIFIER><LEVEL>requisite</LEVEL>
        <CLASS>com.edulib.muse.proxy.authentication.modules.ProxyLoginModuleUserPassword</CLASS>
        <HANDLER>
          <CLASS>com.edulib.muse.proxy.authentication.modules.ProxyLoginModuleUserPasswordDataHandlerXml</CLASS>
          <PARAMETERS>
            <CONFIGURATION_FILE>${WEB_CONTEXT_HOME}/profiles/login/ProxyLoginModuleUserPassword.xml</CONFIGURATION_FILE>
          </PARAMETERS></HANDLER>
        </AUTHENTICATION>
      </AUTHENTICATIONS>
    </AUTHENTICATION_GROUP>
  </AUTHENTICATION_GROUPS>
```

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MuseKnowledge™ Proxy Application Authentication

- IP authentication login module:

`${MUSE_HOME}/proxy/webcontexts/Applications/Application_ID/profiles/login/ProxyLoginModuleIP.xml`

ALLOW and DENY IP rules.

- Username/Password authentication login module:

`${MUSE_HOME}/proxy/webcontexts/Applications/Application_ID/profiles/login/ProxyLoginModuleUserPassword.xml`

Parameters: userName, userPassword.

- LDAP authentication login module:

`${MUSE_HOME}/proxy/webcontexts/Applications/Application_ID/profiles/login/ProxyLoginModuleLDAP.xml`

Parameters: ldapUserId, ldapUserPassword, ldapUserPasswordEncryption (optional).

- FTP authentication login module:

`${MUSE_HOME}/proxy/webcontexts/Applications/Application_ID/profiles/login /ProxyLoginModuleFTP.xml`

Parameters: ftpUserName, ftpUserPassword.

More



MuseKnowledge™ Proxy Application Authentication

- IMAP authentication login module:

`\${MUSE_HOME}/proxy/webcontexts/Applications/Application_ID/profiles/login/ProxyLoginModuleIMAP.xml`

Parameters: imapUserName, imapUserPassword.

- SQL authentication login module:

`\${MUSE_HOME}/proxy/webcontexts/Applications/Application_ID/profiles/login/ProxyLoginModuleSQL.xml`

Parameters: sqlUserName, sqlUserPassword.

- Referrer authentication login module:

`\${MUSE_HOME}/proxy/webcontexts/Applications/Application_ID/profiles/login/ProxyLoginModuleReferer.xml`

- HMAC authentication login module:

`\${MUSE_HOME}/proxy/webcontexts/Applications/Application_ID/profiles/login/ProxyLoginModuleHMAC.xml`

Parameters: a timestamp parameter (default ts) and a signature parameter (default sig). Any other parameter can be used in the signature process.

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MuseKnowledge™ Proxy Application Authentication

- SAML authentication login module:

`${MUSE_HOME}/proxy/webcontexts/Applications/Application_ID/profiles/login/ProxyLoginModuleSAML.xml`

Short checklist of settings:

- Activate the internal Servlet Engine where SAML SP component is running;
 - Identify the IDP(s) to use and configure references to its/theirs metadata;
 - Generate and store the Service Provider metadata for the desired Muse Proxy application;
 - Publish the freshly SP generated on the IDP(s) and if it is the case on the Discovery / Federation Services;
 - Muse Proxy application wiring and authentication decisions (e.g. sources group based on SAML attributes).
- External HTTP authentication login module:

`${MUSE_HOME}/proxy/webcontexts/Applications/Application_ID/profiles/login/ProxyLoginModuleExtHTTP.xml`

Parameters: configurable; the out of the box configuration is using `userName` and `userPassword`.

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MuseKnowledge™ Proxy Application Authentication

- SSO authentication login module:

`${MUSE_HOME}/proxy/webcontexts/Applications/Application_ID/profiles/login/ProxyLoginModuleSSO.xml`

Short checklist of settings:

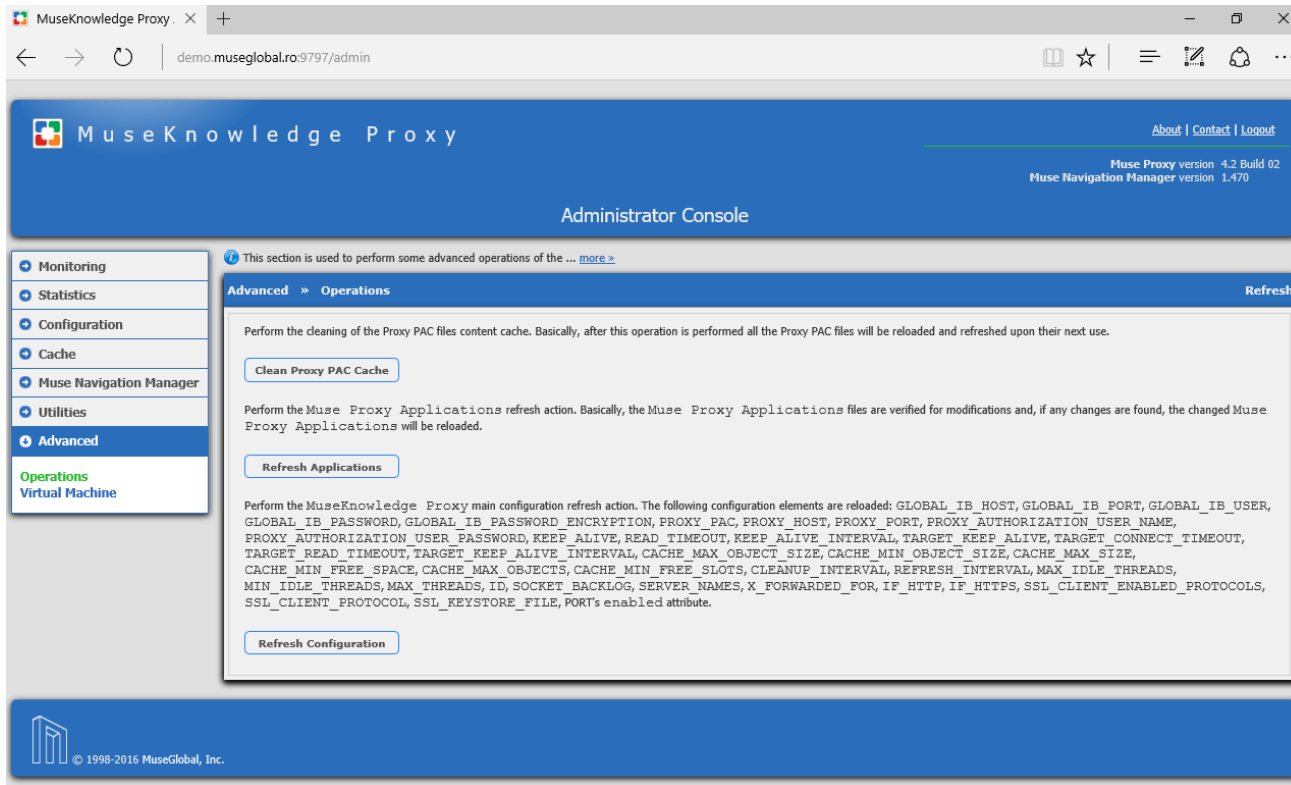
- Activate the internal Servlet Engine where SSP client component is running;
- Identify the OAuth/OpenID Connect providers to use; create developer account and applications there to obtain client ID and secret;
- Configure the SSO layer with the new SSO client considering the MuseKnowledge Proxy application ID as well, to ensure multi-tenancy. If no specific client exists and the generic GenericOAuth2StateClient/GenericOAuth2Client does not work then a new specific client might need to be developed;
- Muse Proxy application wiring and authentication decisions (e.g. sources group based on JSON profile keys);
- Existing SSO clients: LinkedIn, Facebook, Google, GenericOAuth.

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Refresh Applications

- After a new application is created, the MuseKnowledge™ Proxy configuration must be refreshed to apply the changes.
MuseKnowledge™ Proxy Administrator Console -> Advanced -> Operations -> Refresh Applications



The screenshot displays the MuseKnowledge Proxy Administrator Console interface. The browser address bar shows 'demo.museglobal.ro:9797/admin'. The main header includes the 'MuseKnowledge Proxy' logo and navigation links for 'About', 'Contact', and 'Logout'. The version information is 'Muse Proxy version 4.2 Build 02' and 'Muse Navigation Manager version 1.470'. The left sidebar contains a menu with 'Monitoring', 'Statistics', 'Configuration', 'Cache', 'Muse Navigation Manager', 'Utilities', 'Advanced', 'Operations', and 'Virtual Machine'. The 'Advanced' section is expanded to show 'Operations'. A tooltip indicates that this section is for advanced operations. The 'Operations' panel includes three actions: 'Clean Proxy PAC Cache', 'Refresh Applications', and 'Refresh Configuration'. The 'Refresh Applications' action is highlighted, with a description: 'Perform the Muse Proxy Applications refresh action. Basically, the Muse Proxy Applications files are verified for modifications and, if any changes are found, the changed Muse Proxy Applications will be reloaded.' Below this, a list of configuration elements to be reloaded is provided: GLOBAL_IB_HOST, GLOBAL_IB_PORT, GLOBAL_IB_USER, GLOBAL_IB_PASSWORD, GLOBAL_IB_PASSWORD_ENCRYPTION, PROXY_PAC, PROXY_HOST, PROXY_PORT, PROXY_AUTHORIZATION_USER_NAME, PROXY_AUTHORIZATION_USER_PASSWORD, KEEP_ALIVE_READ_TIMEOUT, KEEP_ALIVE_INTERVAL, TARGET_KEEP_ALIVE, TARGET_CONNECT_TIMEOUT, TARGET_READ_TIMEOUT, TARGET_KEEP_ALIVE_INTERVAL, CACHE_MAX_OBJECT_SIZE, CACHE_MIN_OBJECT_SIZE, CACHE_MAX_SIZE, CACHE_MIN_FREE_SPACE, CACHE_MAX_OBJECTS, CACHE_MIN_FREE_SLOTS, CLEANUP_INTERVAL, REFRESH_INTERVAL, MAX_IDLE_THREADS, MIN_IDLE_THREADS, MAX_THREADS, ID, SOCKET_BACKLOG, SERVER_NAMES, X_FORWARDED_FOR, IF_HTTP, IF_HTTPS, SSL_CLIENT_ENABLED_PROTOCOLS, SSL_CLIENT_PROTOCOL, SSL_KEYSTORE_FILE, and PORT's enabled attribute.

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