Make Primo VE a One Stop Search for users

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Where am I from?

University of Manitoba

• Established in 1877
• First university in Western Canada
• > 29,000 students
• > 145,000 alumni in 140 countries
University of Manitoba (main campus)
University of Manitoba Libraries

- 11 libraries on two campuses.
- 1 virtual library.
- First Alma library in Canada.
- Migrated from Primo to Primo VE in 2018
- Interested in other Ex Libris’ products such as Leganto
Software used at UML

• Primo VE – discovery platform for patrons
  https://search.lib.umanitoba.ca
• LibGuide – subject guides + database AZ list
  https://libguides.lib.umanitoba.ca/az.php
• Islandora – UM unique digital content
  https://digitalcollections.lib.umanitoba.ca/
• Dspace – institutional repository for open access
  https://mspace.lib.umanitoba.ca
Software used at UML - inconvenience

• Information silos are within the software system. Users may need to make a search on all the four platforms to retrieve complete results. It does not promote serendipitous discovery.
Solution: Primo VE – One-Stop Search
Solution - details

• Introduction to OAI-PMH
  – “The Open Archives Initiative (OAI) develops and promotes interoperability standards”.
  – The Open Archives Initiative Protocol for Metadata Harvesting (OAI-PMH) promotes metadata exchange.
  – Data providers expose structured metadata.
  – Service Providers harvest metadata from data providers.
  – https://www.openarchives.org
Solution (cont’d)

• Data providers
  – LibGuide
  – Islandora
  – Dspace

• Service provider
  – Primo VE
Configuration in LibGuide

LibGuides Home

Welcome to the Dashboard - your one stop shop for all this...
# Configuration in LibGuide

## Data Exports

<table>
<thead>
<tr>
<th>XML</th>
<th>Guide HTML</th>
<th>OAI-PMH</th>
<th>OAI-PMH URL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td><img src="https://libguides.lib.university.ca/oai.php" alt="URL" /></td>
</tr>
</tbody>
</table>

- Harvest and add LibGuides metadata to your third-party application using the OAI-PMH protocol. For more information on OAI-PMH, see [http://www.openarchives.org/OAI/2.0/openarchivesprotocol.htm](http://www.openarchives.org/OAI/2.0/openarchivesprotocol.htm).
- **Your base OAI-PMH URL is:**

  ![URL](https://libguides.lib.university.ca/oai.php)

LibGuides supports the standard oai_dc metadata format. Use your base URL (shown above) along with the 6 standard OAI-PMH requests to retrieve metadata from your published LibGuides in XML. Here are a few example requests:

<table>
<thead>
<tr>
<th>URL</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="https://libguides.lib.university.ca/oai.php" alt="URL" /></td>
<td>Base URL for OAI-PMH repository</td>
</tr>
<tr>
<td><img src="https://libguides.lib.university.ca/oai.php?verb=Identify" alt="URL" /></td>
<td>Display information about this repository</td>
</tr>
<tr>
<td><img src="https://libguides.lib.university.ca/oai.php?verb=ListRecords&amp;metadataPrefix=oai_dc" alt="URL" /></td>
<td>Display all records in the oai_dc metadata format</td>
</tr>
<tr>
<td><img src="https://libguides.lib.university.ca/oai.php?verb=ListRecords&amp;metadataPrefix=oai_dc&amp;set=guides" alt="URL" /></td>
<td>Display all guides in the oai_dc metadata format</td>
</tr>
<tr>
<td><img src="https://libguides.lib.university.ca/oai.php?verb=ListRecords&amp;metadataPrefix=oai_dc&amp;set=er_courses" alt="URL" /></td>
<td>Display all ER Courses in the oai_dc metadata format (module required)</td>
</tr>
</tbody>
</table>
Configuration in Islandora

There is a security update available for your version of Drupal. To ensure the security of your application, please update it to the latest version.

**CONFIGURATION**

- **Repository Name**
  - UM DigitalCollections

- **Path to the Repository**
  - https://digitalcollections.lib.umanitoba.ca/oai2

- **Repository unique identifier**
  - digitalcollections.lib.umanitoba.ca
Configuration in Dspace
Configuration in Dspace

https://mspace.lib.umanitoba.ca/oai/request?verb=Identify
Import external data into Primo VE
Import data from LibGuide

Step 1: Set up normalization rules.

Since LibGuide is a Dublin Core source, we can only set the normalization rule for resource type. We use “UofM Subject Guide” as the resource type.
Import data from LibGuide

Step 2: Create a normalization process task.

The setup is straightforward. The normalization rule created in Step 1 should be used as the Drools file key.
Import data from LibGuide

Step 3: Create an import profile.
Import data from LibGuide

Step 3: Create an import profile (cont’d).

The profile can be scheduled to run daily/weekly/monthly.

The OAI Base URL is provided by SpringShare.

The profile can be tested via “Open Test Page”
Import data from LibGuide

Step 3: Create an import profile (cont’d).

Template instead of static URL from source is used as the link for delivery.

There may be several dc:identifier tags in a source record. Using template allows us to pick the http(s) one as the link.
Import data from LibGuide

Step 4: Run the import.

You can run the import immediately or wait for the scheduled time.
Import data from DSpace

Step 1: Set up normalization rules.

Since MSpace can be a Dublin Core source, we only need to set the normalization rule for resource type. We use “UofM MSpace” as the resource type.
Import data from DSpace

Step 2: Create a normalization process task.

The setup is straightforward. The normalization rule created in Step 1 should be used as the Drools file key.
Import data from DSpace

Step 3: Create an import profile.
Import data from DSpace

Step 3: Create an import profile (cont’d).

The profile can be scheduled to run daily/weekly/monthly.

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Import data from DSpace

Step 4: Run the import.

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Import data from Islandora

Step 1: Set up normalization rules.

Since Islandora can be a Dublin Core source, we only need to set the normalization rule for resource type. We use “UofM MSpace” as the resource type.
Import data from Islandora

Step 2: Create a normalization process task.

The setup is straightforward. The normalization rule created in Step 1 should be used as the Drools file key.
Import data from Islandora

Step 3: Create an import profile.
Import data from Islandora

Step 3: Create an import profile (cont’d).

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Import data from Islandora

Step 3: Create an import profile (cont’d).

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There may be several dc:identifier tags in a source record. Using template allows us to pick the http(s) one as the link.
Import data from Islandora

Step 4: Run the import.

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### Search results in Primo VE

<table>
<thead>
<tr>
<th>Page 1</th>
<th>74,536 Results</th>
</tr>
</thead>
</table>
| 1      | **Protocole d’entente Canada-Manitoba portant sur le lac Winnipeg et le bassin du lac Winnipeg**  
Government of Canada; Government of Manitoba  
2010-09-13  
Available Online  
Access for Users with Disabilities |
| 2      | **Canada-Manitoba Memorandum of Understanding Respecting Lake Winnipeg and the Lake Winnipeg Basin**  
Government of Canada; Government of Manitoba  
2010-09-13  
Available Online  
Access for Users with Disabilities |
| 3      | **Manitoba's diamond jubilee, 1870-1930**  
1930 |
Further thoughts

• Only metadata is exported via OAI-PMH. It is convenient but cannot replace the original platforms where full text may be indexed.

• Choosing DC format in Alma allows to set up the import profile quickly but it doesn’t remove un-necessary data.
### Further thoughts

<table>
<thead>
<tr>
<th>Details</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title</td>
<td>Protocole d'entente Canada-Manitoba portant sur le lac Winnipeg et le bassin du lac Winnipeg</td>
</tr>
<tr>
<td>Author</td>
<td>Government of Canada &gt; Government of Manitoba &gt;</td>
</tr>
<tr>
<td>Subject</td>
<td>GOUVERNEMENT DU CANADA &gt; GOUVERNEMENT DU MANITOBA &gt; bassin du lac Winnipeg &gt; lac Winnipeg &gt;</td>
</tr>
<tr>
<td>Description</td>
<td>Protocole d'entente Canada-Manitoba portant sur le lac Winnipeg et le bassin du lac Winnipeg entre LE GOUVERNEMENT DU CANADA, represente aux presentes par le ministre de l'Environnement, qui est responsable du ministere de l'Environnement (&lt;&lt; le Canada&gt;&gt;) ET LE GOUVERNEMENT DU MANITOBA, represente aux presentes par le ministre de la Gestion des ressources hydriques, (&lt;&lt; le Manitoba &gt;&gt;) Le Canada et le Manitoba sont collectivement appeles « les parties »</td>
</tr>
<tr>
<td>Publisher</td>
<td>GOUVERNEMENT DU CANADA</td>
</tr>
<tr>
<td>Identifier (ISBN, ISSN, etc.)</td>
<td><a href="http://hdl.handle.net/1993/23441;oai:mspace.lib.umanitoba.ca:1993/23441">http://hdl.handle.net/1993/23441;oai:mspace.lib.umanitoba.ca:1993/23441</a></td>
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<tr>
<td>Creation Date</td>
<td>2010-09-13</td>
</tr>
<tr>
<td>Language</td>
<td>French</td>
</tr>
<tr>
<td>Source</td>
<td>University of Manitoba Libraries MSpace</td>
</tr>
<tr>
<td>Format</td>
<td>application/pdf</td>
</tr>
</tbody>
</table>
Thanks!

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Questions?