



# Alphabet Soup:

# AtoM to Omni Through OAI-PMH

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## Quick History



- Queen's Archives moved from DBText to AtoM in 2011
  - Open Source; visible to external crawlers
- Plans to harvest into previous Library system were discussed
- After Omni launch, approached other AtoM users to set up working group (... then stalled)
- 2022: New staff – new focus!

# Integration Methods



	Pros	Cons
Import from AtoM to Omni with DC XML	<ul style="list-style-type: none"><li>• No configuration required in AtoM server</li><li>• Data can be modified outside of system</li></ul>	Manual
OAI Harvest	Automatic	Requires some configuration in AtoM server



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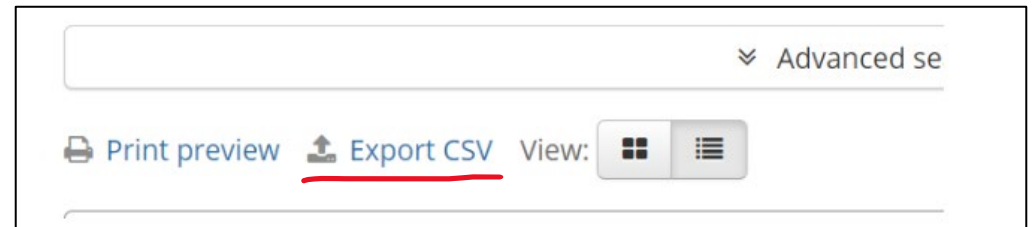


# Import from AtoM to Omni

# Import from AtoM to Omni



- Get CSV data from AtoM
  - Front end
    - Browse > Archival descriptions
    - Export CSV



- CLI

- `php symfony csv:export --current-level-only /<path>/file.csv`



# Import from AtoM to Omni



- Reformat CSV
  - URL
    - Duplicate title column in Excel or LibreOffice, then:
      - Replace all ‘ ’ by ‘-’ in title field; Replace all ‘---’ by ‘-’; Replace all ‘--’ by ‘-’.
      - Change all uppercase to lower case. ("Formulas" tab > Select the "Text" > Select "LOWER")
    - URL = <https://db-archives.library.queensu.ca/> + formatted duplicate title



# Import from AtoM to Omni



- Create Dublin Core XML
  - Followed the Exlibris official document:
    - <https://developers.exlibrisgroup.com/blog/creating-dublin-core-xml-files-using-excel/>
  - Convert CSV to XML with Python script (<https://tinyurl.com/convertpy>)

# Import from AtoM to Omni



## Alma settings:

Profile Details | Normalization | Delivery

Profile Details

Profile name \* **AtoM**

Profile description

Data Source Code \* **AtoM**

Data Source Label \* **Archives (AtoM)**

Originating system \* **Other**

File name patterns

Import Protocol **Upload File/s**

Physical source format **XML**

Source format **Dublin Core**

Target format **Dublin Core**

Status **Active**

Share with Network

Link to Resource

Template  Static URL from source

Dublin Core tag \* **dc:identifier**

Link Label





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# OAI Harvest

# OAI Harvest – AtoM Configuration

- Issue: Need to map URL to link back to AtoM description
- AtoM DC doesn't distinguish between 3 <dc:identifier> fields

```
▼<OAI-PMH xmlns="http://www.openarchives.org/OAI/2.0/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.openarchives.org/OAI/2.0/
  <responseDate>2023-05-29T14:05:09Z</responseDate>
  <request verb="ListRecords" metadataPrefix="oai_dc" set="oai:virtual:top-level-records">http://10.29.9.10/;oai</request>
▼<ListRecords>
  ▼<record>
    ▼<header>
      ▼<header>
        <identifier>oai:10.29.9.10: 2</identifier>
        <datestamp>2015-09-05T17:08:59Z</datestamp>
        <setSpec>oai:10.29.9.10:_2</setSpec>
      </header>
    ▼<metadata>
      ▼<oai_dc:dc xmlns:oai_dc="http://www.openarchives.org/OAI/2.0/oai_dc/" xmlns:dc="http://purl.org/dc/elements/1.1/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
        http://www.openarchives.org/OAI/2.0/oai_dc.xsd">
        <dc:title>Grace Campbell fonds</dc:title>
        <dc:creator>Campbell, Grace MacLennan Grant</dc:creator>
        <dc:description>The fonds consists of correspondence, prose, biographical articles, critical commentaries and newspaper clippings relating to Mrs. Campbell'
        <dc:date>1942-1967</dc:date>
        <dc:format>0.25 m of textual records, 1 map</dc:format>
        <dc:identifier>http://db-archives.library.queensu.ca/grace-campbell-fonds</dc:identifier>
        <dc:identifier>F00431</dc:identifier>
        <dc:source>2007</dc:source>
        <dc:language xsi:type="dcterms:IS0639-3">eng</dc:language>
        <dc:relation>http://db-archives.library.queensu.ca/queens-university-archives</dc:relation>
        <dc:relation>Queen's University Archives</dc:relation>
        <dc:rights>Open</dc:rights>
      </oai_dc:dc>
    </metadata>
  </record>
```

# OAI Harvest – AtoM Configuration



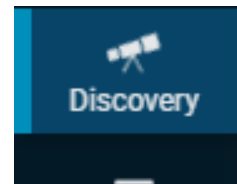
- Edit `_dc.xml.php` in AtoM server
  - File location:  
`/usr/share/nginx/atom/plugins/sfDcPlugin/modules/sfDcPlugin/templates/_dc.xml.php`
  - Edit as: `<dc:identifier xsi:type="dcterms:URI"><?php echo esc_specialchars(sfConfig::get('app_siteBaseUrl') . '/' . $resource->slug) ?></dc:identifier>`

```
<?xml version="1.0" encoding="UTF-8" ?>
<oai_dc:dc xmlns:oai_dc="http://www.openarchives.org/OAI/2.0/oai_dc/" xmlns:dc="http://purl.org/dc/elements/1.1/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  http://www.openarchives.org/OAI/2.0/oai_dc.xsd">
  <dc:title>Grace Campbell fonds</dc:title>
  <dc:creator>Campbell, Grace MacLennan Grant</dc:creator>
  <dc:description>The fonds consists of correspondence, prose, biographical articles, critical commentaries and newspaper clippings relating to Mrs. Campbell's work as
  <dc:date>1942-1967</dc:date>
  <dc:format>0.25 m of textual records, 1 map</dc:format>
  <dc:identifier xsi:type="dcterms:URI">https://db-archives.library.queensu.ca/grace-campbell-fonds</dc:identifier>
  <dc:identifier>F431</dc:identifier>
  <dc:source>2007</dc:source>
  <dc:language xsi:type="dcterms:ISO639-3">eng</dc:language>
  <dc:relation>https://db-archives.library.queensu.ca/queens-university-archives</dc:relation>
  <dc:relation>Queen's University Archives</dc:relation>
  <dc:rights>Open</dc:rights>
</oai_dc:dc>
```

# OAI Harvest – Alma Configuration



- Discovery > Loading External Data Sources - Discovery Import Profiles



Loading External Data Sources  
Discovery Import Profiles

Profile Details

Profile name *	<input type="text" value="AtoM"/>		
Profile description	<input type="text"/>		
Data Source Code *	<input type="text" value="AtoM"/>	Data Source Label *	<input type="text" value="Archives (AtoM)"/>
Originating system *	<input type="text" value="Other"/>	File name patterns	<input type="text"/>
Import Protocol	<input type="text" value="OAI"/>	Target format	<input type="text" value="Dublin Core"/>
Physical source format	<input type="text" value="XML"/>		
Source format	<input type="text" value="Dublin Core"/>		
Status	<input type="text" value="Active"/>		

# OAI Harvest – Alma Configuration



- OAI Details

OAI Details

OAI Base URL \*

Authentication

Repository Name

Granularity

Metadata Prefix

Set

Identifier Prefix

Harvest Start Date

Encode Date

Earliest Date Stamp

Admin EMail/s

Harvest End Date

# OAI Harvest – Alma Configuration



- Link to Resource

Link to Resource

Template  Static URL from source

Dublin Core tag \*

Link Label

# OAI Harvest – Alma Configuration



- Normalization Rule & Process

```
rule "atom format"  
when  
  TRUE  
then  
  set "Archives" in "discovery"."resourceType"  
end
```

- Mapping

- Configuration > Configuration menu links > Dublin Core type to Discovery Type Mapping

42	Archives	Archives	10221261	14-Mar-2023	...
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# Omni



- “Archives” searchable and usable as a filter - <https://tinyurl.com/qulomni>

A screenshot of the Queen's University Archives search results page. The search bar at the top contains the word "Archives". Below the search bar, there is a yellow banner with "Sign in for more options." and "Sign in" and "DISMISS" buttons. The main content area shows a list of search results. On the left side, there are active filters: "Archives" (with a close button), "Remember all filters", and "Reset filters". Below this, there are options to "Modify your results" (with a toggle for "Add results beyond Queen's collection") and "Sort by" (set to "Relevance"). There are also expandable sections for "Availability" (set to "Available online"), "Publication Date" (with a range from 1489 to 2020 and a "Refine" button), "Subject", and "Author/Creator". The search results list includes:

- 1. Queen's University. Queen's University Archives fonds [1968]-2009. Available >
- 2. Archives of Ontario Land Records Index Archives of Ontario [178-]-1914. Available >
- 3. Canadian Archives Congress collection 3 Jun. 1982-4 Jun. 1982. Available >
- 4. Mud Lake Mission Report United Church of Canada Archives 1965. Available >





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Thanks for listening!

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