

Islandora Solr Metadata

Overview

The **Islandora Solr Metadata** module provides an interface to construct displays of Solr indexed metadata from one or more schemas on the Islandora objects.

Dependencies

This module requires the following modules/libraries:

- [Islandora](#)
- [Tuque](#)
- [Islandora Solr](#)

Downloads

[Release Notes and Downloads](#)

Code Repository

https://github.com/islandora/islandora_solr_metadata

Installation

Install as usual, [see this](#) for further information.

Configuration

To use Solr indexed metadata in the display, go to Administration » Islandora » Metadata Display (admin/islandora/metadata) and select "Islandora Solr Metadata" to be the default display viewer. Click **Save Configuration**.

Metadata Display

Select a viewer

DEFAULT	LABEL	DESCRIPTION	CONFIGURATION
	None	Don't show any metadata for displaying	
	Dublin Core	Dublin Core metadata	
	Islandora Solr Metadata	Metadata display driven by the Islandora Solr Search module	configure

Preferred metadata display for Islandora. These may be provided by third-party modules.

Save configuration

To set up a display, go to Administration » Islandora » Solr Index » Metadata Display (admin/islandora/search/islandora_solr/metadata).

Solr index Islandora 7 x-1.3 Sandbox

Home » Administration » Islandora » Solr index

Field Configuration

General Configuration

NAME	ASSOCIATED CONTENT MODELS	MACHINE NAME
custom	No content models currently associated	custom_metadata

ADD A CONFIGURATION

Configuration name

Machine name

A unique machine name used in the exportation of features

Add configuration

Create a custom display

1. In the **Metadata Display** tab, select the **Field Configuration** tab.
2. Enter a configuration name (this will only be displayed to administrators.)
3. Create a machine name for this custom display (this can be the same as the configuration name).
4. Click **Add Configuration**.

Add metadata fields and labels to a custom display

1. After you have created a custom display, click the linked configuration name to add fields to that display.
2. Select the content models that will use this display.
3. Click on the new display to add fields.

custom display configuration Islandora 7 x-1.3 Sandbox

Home » Administration » Islandora

CONTENT MODELS

☐ CONTENT MODEL NAME

☐ islandora:sp_pdf

Remove selected

ADD CONTENT MODEL

Islandora Video Content Model (islandora:sp_videoCModel)

Add

4. Add fields to the display by entering [Solr field names](#) with type "string." As you type in the "Add Field" box, field names will be suggested from the index. Once a field is selected, click "Add". In order to edit the field, click **Save Configuration** at the bottom of the form.

Currently only fields that are present in the Solr index can be added in metadata display configurations.

Unable to locate Jira server for this macro. It may be due to Application Link configuration.

DISPLAY FIELDS [Show row weights](#)

REMOVE	SOLR FIELD	DISPLAY LABEL	HYPERLINK
There are no entries available.			

ADD FIELD

mods_subject			
mods_subject_cartographics_coordinates_ms			(string)
mods_subject_cartographics_coordinates_mt			(string)
mods_subject_geographic_ms			(string)
mods_subject_geographic_mt			(string)

5. After you add fields, you can create custom labels, choose whether to hyperlink the field values in the display, or apply truncation options by clicking the edit button next to the field. The edit button appears only after you click Save Configuration at the bottom of the form. By default, the display label will be the Solr field name. A hyperlinked field value will launch a new Solr search for other records with that same value.

FIELD CONFIG

Display Label

Subject Topic

A human-readable label to display alongside values found for this field.

☒ **Hyperlink?**

Should each value for this field be linked to a search to find objects with the value in this field?

6. Truncation can also be applied from the **edit** menu. Truncation can be applied to separate values or an entire field. You can specify the maximum field length (use 0 or less to disable truncation), and choose whether to attempt truncation on a word boundary and whether or not to append an ellipsis to the end of a field when it is begin truncated.

TRUNCATION

Truncation Type

☒ Limit length of each separate value

☐ Limit Length of the whole field

Max Length

0

The field contents will be truncated to be at most this length (in characters) for display. 0 or less to disable truncation. When truncating based on the whole field the max length may be exceeded by the length of ellipsis string.

☐ **Word-safe**

Attempt to truncate on a word boundary. See truncate_utf8() for more info.

☐ **Ellipsis**

Append ellipses when truncating occurs.

7. The "Description" field that shows up directly under an object's viewing derivative is configured separately from the other display fields. Enter the field and an optional label in the Description settings.

DESCRIPTION

The field used for rendering the description beneath the object's content

mods_abstract_ms

A field from within Solr

Description

A label for displaying

6. Click **Save Configuration**.

Content models with multiple metadata display configurations

A content model can have more than one metadata display configuration associated with it. In this case, all fields present in the associated configurations are displayed, and the order of fields is determined by Solr field weights.

Suppose, for example, that two configurations 'A' and 'B' are associated with a content model. If configuration A contains fields 'a' and 'c' and B contains fields 'b' and 'd', then the metadata display output would be in the order 'a, b, c, d'.

If the same Solr field is included in multiple metadata display configurations associated with a certain content model, only the label and value(s) from the last configuration are displayed. The last configuration is the most recently created configuration that is associated with the content model; the (machine) name of the configurations is not used to determine the order.

Notes

- To use Solr Metadata with Scholar's citation/thesis cModels, please enable the **'Use Standard Metadata Display'** option in Administration » Islandora » Solution pack configuration » Scholar (/admin/islandora/solution_pack_config/scholar).

The screenshot shows the 'Scholar' administration interface. At the top, there are tabs for 'BASIC CONFIGURATION', 'DOI CONFIGURATION', and 'PDF CONFIGURATION'. The 'BASIC CONFIGURATION' tab is active. Below the tabs, a breadcrumb trail reads: 'Home » Administration » Islandora » Solution pack configuration'. The main content area is titled '▼ ROMEo CONFIGURATION' and contains several settings:

- Enable RoMEO attempts.** (checkbox) - Whether or not we should even try getting information from RoMEO.
- Sherpa/RoMEO URL** - Text input field containing 'http://www.sherpa.ac.uk/romeo/api29.php'. Below it, a description: 'The URL to which to make requests.'
- Sherpa/RoMEO API Key** - Text input field. Below it, a description: 'Your institution's key to access RoMEO.'
- ISSN cache time** - Text input field containing '2'. Below it, a description: 'The amount of time in days for which to maintain an ISSN value obtained by scanning an object.'
- RoMEO cache time** - Text input field containing '2'. Below it, a description: 'The amount of time in days for which to maintain a copy of the markup for a given ISSN.'

Below the ROMEo configuration, there is a section titled '▼ GOOGLE SCHOLAR SEARCH CONFIGURATION' with the following settings:

- Render Google Scholar Search link** (checkbox) - Enable Searching in Google Scholar.

At the bottom of the configuration area, there is a checkbox labeled 'Use Standard Metadata Display' with the description: 'Check to use standard Islandora metadata display instead of COinS.'

Customization

The backbone of this module is to allow users to select fields indexed in their Solr as what drives metadata displays. This allows for the creation of heterogeneous displays pulled from many sources from something that is already easily available.

The Islandora Solr Metadata module uses templates to fuel the markup displayed when it's the defined viewer for an object. As such these are overwritable to alter the display of the metadata as seen fit.

For a more indepth look at the metadata display framework and an example module implementation see the Islandora wiki page on [Metadata Display Viewers](#).

