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 Search

Downloads

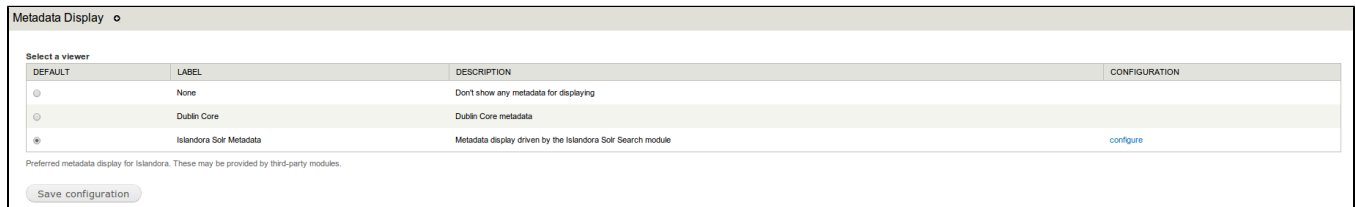Release Notes and Downloads

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).

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.

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.

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 ellispse 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 displays

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

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).

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 heterogenous 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.

It's to be noted that you can have a content model associated with more than one configuration at a time. Similarly, on objects with two content models, two or more configurations could respond to display the markup for the object. These cases are handled by merging the displays based around the weight. Take for example the case where you have two responding configurations where the first configuration contains the a and c fields and the second the b and d fields. The metadata display output would then be in the following order: a, b, c, d. As such, it's at the discretion of the user, through the creation of configurations, to determine how they want their metadata to be displayed.