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

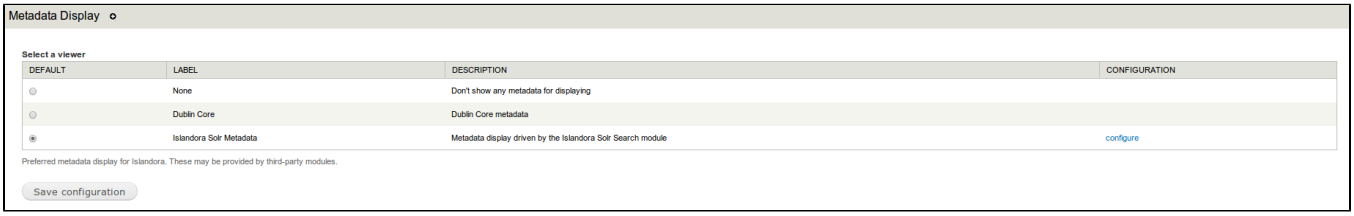
https://github.com/islandora/islandora_solr_metadata

Installation

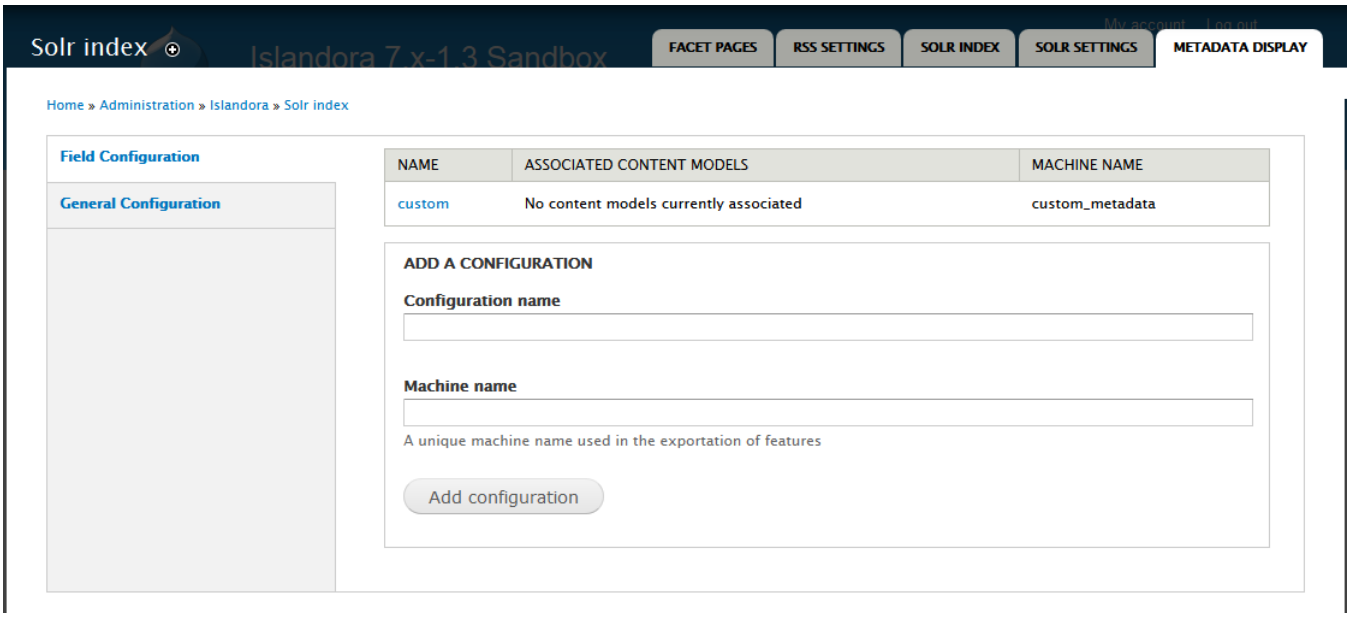
Install as usual, see this for further information.

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.**



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

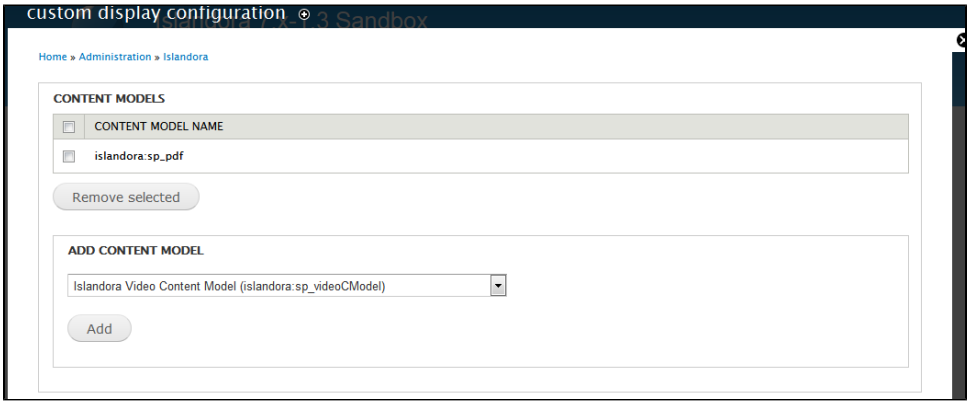


Create a custom display

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

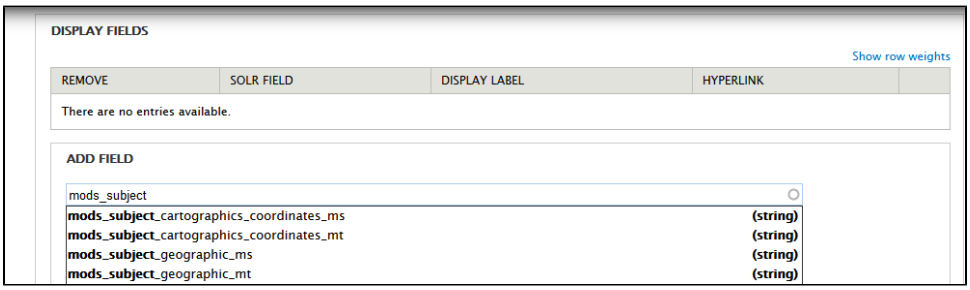
1. After you have created a custom display, click the linked configuration name to add fields to that display.
2. Select the content models that will use this display.
3. Click on the new display to add fields.



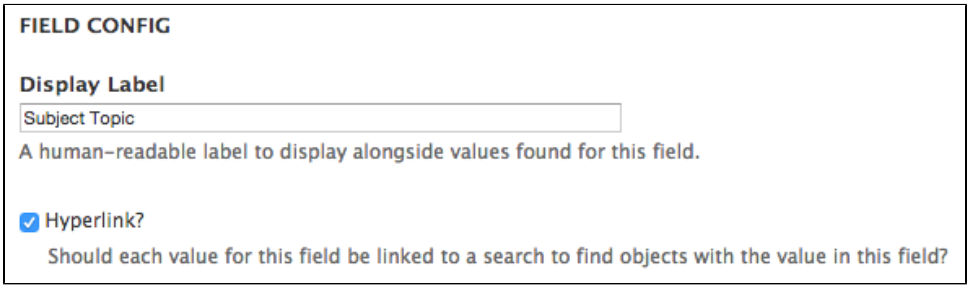
4. Add fields to the display by entering Solr field names with type "string." As you type in the "Add Field" box, field names will be suggested from the index. Once a field is selected, click "Add". In order to edit the field, click **Save Configuration** at the bottom of the form.

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

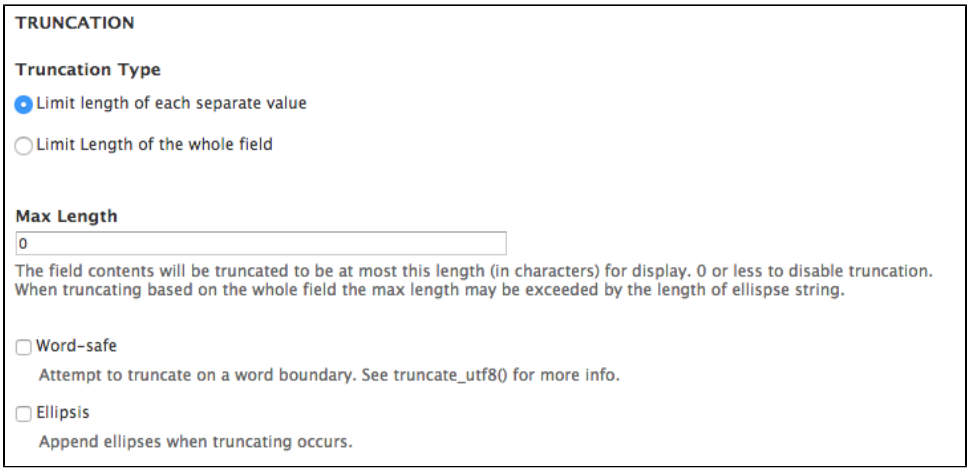
Unable to locate Jira server for this macro. It may be due to Application Link configuration.



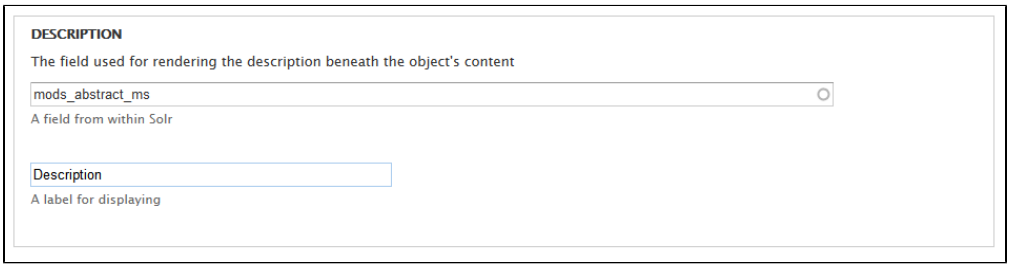
5. After you add fields, you can create custom labels, choose whether to hyperlink the field values in the display, or apply truncation options by clicking the edit button next to the field. The edit button appears only after you click Save Configuration at the bottom of the form. By default, the display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



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.



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.



6. Click **Save Configuration**.

Content models with multiple metadata display configurations

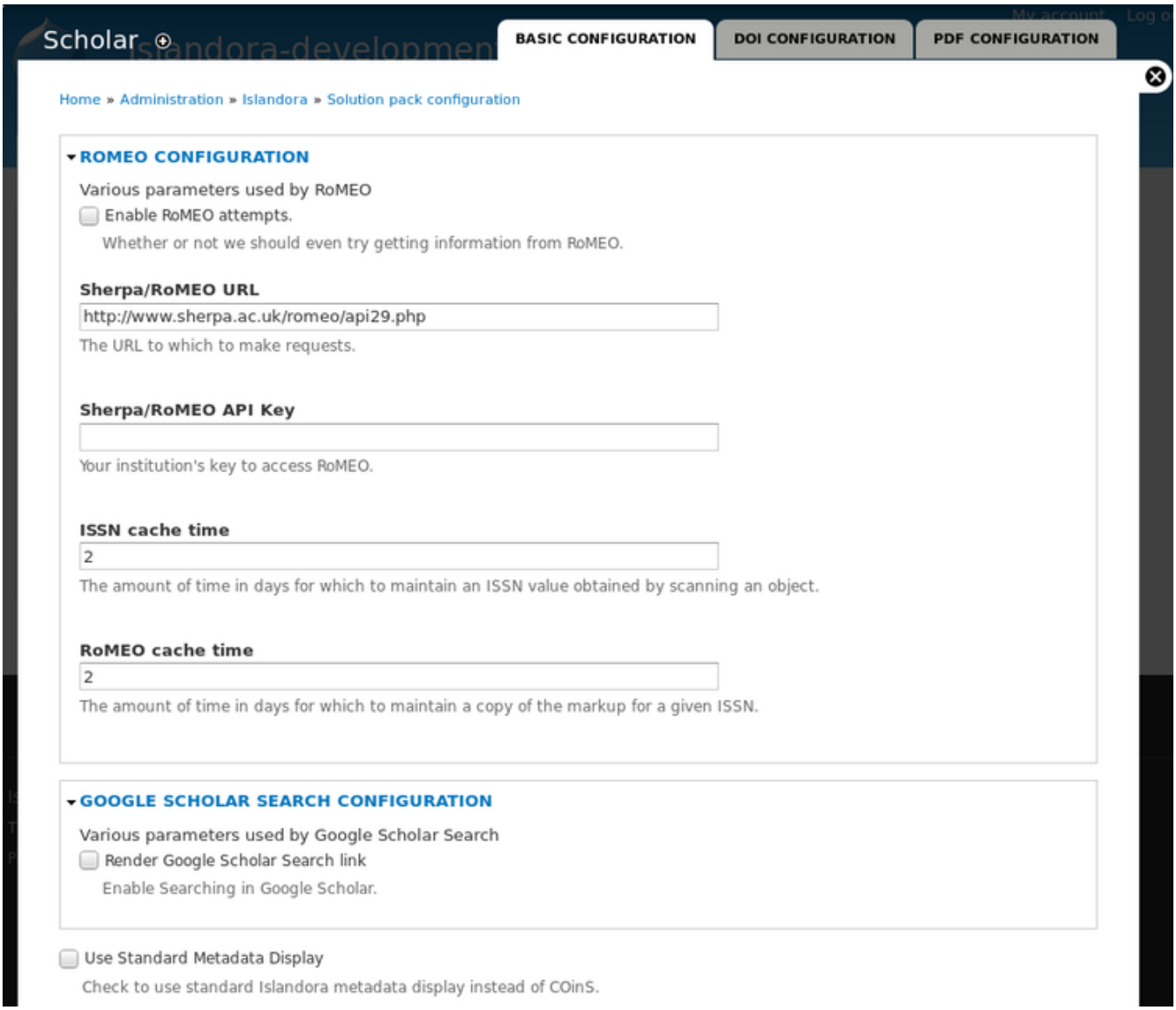
A content model can have more than one metadata display configuration associated with it. In this case, all fields present in the associated configurations are displayed, and the order of fields is determined by Solr field weights.

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).



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.