Image Annotation

Overview

The Islandora Image Annotation Solution Pack adds the ability to draw a shape over an image and then add a textual annotation to that portion of the image. When the annotation solution pack is enabled a new sub-tab is added to the View tab that includes the annotated view of the image, its annotations (if any), and the toolset needed to add/edit annotations. Annotations consist of three main parts including a category, title, and annotation and depending on configuration may also include a color picker and/or a setting for the stroke width. Any solution pack with an image datastream can be configured to use the image annotation solution pack; however, it only functions with datastreams that are .png or .jpeg. Make sure roles have the permission to create and view annotations.

Dependencies

This module depends on an image handling solution pack such as Basic Image Solution Pack or Large Image Solution Pack.

This module relies on JQuery 1.8 and is not supported using JQuery 1.9.

This module requires the following modules/libraries:

- Islandora
- Tuque
- Islandora Solr
- Taxonomy
- jQuery Update

Downloads

Release Notes and Downloads

Installation

Install as usual, see this for further information.

Configuration

There are a number of configuration panels available for the image annotation module.

 To enable the annotation tab for a content model visit Administration » Islandora » Islandora Utility Modules » Image Annotation (admin/islandora/tools/image_annotation). From there you can configure the module for any available content model. The Taxonomy Column allows the annotation tool to use Drupal's taxonomy terms for categories, if the appropriate radio button is selected under the "Annotation Categories" section.

If you want users to annotate books, do not check the book content model on the admin page. In order to annotate book pages, you must select a datastream in the paged content model.

Configure Content Models

Administration » Islandora » Islandora Utility Modules » Image Annotation

This panel allows the user to enable the image annotation module for a particular content module. The user can specify the Datastream's DSID to use for annotation (currently this must have the mimetype of png or jpg) and can alternately specify a Drupal based taxonomy to use for an annotation's category.

CONFIGURE CONTENT MODELS

Enable annotating

ENABLED	CONTENT MODEL	PID	DSID	TAXONOMY
☐	Citation Content Model	ir:citationCModel	TN	none
☐	Islandora Audio Content Model	islandora:sp-audioCModel	TN	none
☐	Islandora Basic Image Content Model	islandora:sp_basic_image	TN	none
☐	Islandora Internet Archive Book Content Model	islandora:bookCModel	TN	none
☐	Islandora Large Image Content Model	islandora:sp_large_image_cmodel	TN	none
☐	Islandora Newspaper Content Model	islandora:newspaperCModel	TN	none
☐	Islandora Newspaper Issue Content Model	islandora:newspaperIssueCModel	TN	none
☐	Islandora Newspaper Page Content Model	islandora:newspaperPageCModel	OBJ	none
☐	Islandora PDF Content Model	islandora:sp_pdf	TN	none
☐	Islandora Page Content Model	islandora:pageCModel	OBJ	none
☐	Islandora Video Content Model	islandora:sp_videoCModel	TN	none
☐	Islandora Web ARChive Content Model	islandora:sp_web_archive	PNG	none
☐	Thesis Content Model	ir:thesisCModel	TN	none

Allow annotation of objects associated with these content models.

Configure Annotation Categories

Each annotation has an optional "category" field. An administrator can allow users to determine their own categories at the time of annotation, or have the categories selected via a Drupal taxonomy. Alternately administrators can define categories using an existing indexed solr field. The Annotation Type Search Field contains the solr field to be used as for categories.

ANNOTATION CATEGORIES

Annotation categories

🔘 User defined

⚪ Administrator defined

Allows administrators to select predefined taxonomies to determine annotation categorization terminology

Annotation type search field

mads_categories_s

If Annotation Categories is set to User Defined and you want to do auto complete enter a solr field. This field's contents will be used to populate the auto complete.

Configure Annotation Colors

Annotation Colors: By default the colors of annotations are randomly derived by a set of standard colors (Optimized). If *User defined* is selected a color picker is displayed and a specific color can be applied to the annotation.

Annotation Stroke Width: Administrators can define a list of stroke widths to be available to site users.

ANNOTATION STROKE & COLORS

Annotation colors

○ User defined (user selects when creating annotation)

◉ Optimized (Colors are selected randomly. Recommended for overlapping annotations)

Annotation stroke widths for drop down *

.3 .6 .9 1.2 1.5

The width of the lines to use when drawing the annotations. Must be a number, can include a decimal. For instance .5 is valid. You can Enter several values here seperated by a space.

☑ Allow entity tagging on images.

If checked, users will be able to tag image annotations with an entity.

Configure Controlled Vocabulary for Titles

CONTROLLED VOCABULARY FOR TITLES

☐ Use a controlled vocabulary for annotation titles

If checked you must configure a Solr field to retrieve the titles from.

Customization

Included is an xslt designed for gsearch. If this xslt is included in your existing gsearch index xslt it will index the Annotation fields and make them searchable in solr. You will also need to configure the Islandora Solr client so that it is aware of the new fields. If you are using custom Solr request handlers you will have to update them as well.

If you have solr configured properly and have Annotation Categories set as user defined you will have a type ahead for the Annotations categories section

FAQ

Q. Can I have annotations for a book?

A. If you want the annotations for book, do not check the book content model on the admin page. In order to enable annotations for books, you check the paged content model.