

# XACML Editor

## Overview

The Islandora XACML Editor provides a graphical user interface to edit XACML policies for objects in a repository or collection. It adds a new tab to each collection called **Child Policy** and a tab to each item called **Item Policy**, where permissions can be set on a per User or per Role basis for:

- **Object Management:** Controls who can set XACML policies for an object/collection.
- **Object Viewing:** Controls who can view an object/collection.
- **Datastreams and MIME types:** Controls who can view datastreams by DSID and MIME type.

## Dependencies

- [Islandora](#)
- [Tuque](#)
- Islandora XACML API

[Drupal.org](#) modules:

- [ImageAPI](#)
- [jQuery Update](#)
- [jQuery UI](#)

## Installation

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

## Usage

[Using the XACML Editor](#)

## Configuration

### Fedora Configuration

It may be desirable--and in fact necessary for some modules--to disable/remove one of the default XACML policies which denies any interactions with the POLICY datastream to users without the "administrator" role.

This policy is located here: `$FEDORA_HOME/data/fedora-xacml-policies/repository-policies/default/deny-policy-management-if-not-administrator.xml`

### Solr Searching Hook

In order to comply with XACML restrictions placed on objects, a hook is used to filter results that do not conform to a searching user's roles and name. This hook will not function correctly if the Solr fields for `ViewableByUser` and `ViewableByRole` are not defined correctly as they are set in the XSLT. These values can be set through the admin page for the module.

### Notes

The XACML editor hooks into ingesting through the interface. When a child is added through the interface, the parent's POLICY will be applied if one exists.

If XACML policies are written or edited by hand, it may result in unexpected behaviour.

## Troubleshooting/Issues

Having problems or solved a problem? Check out the Islandora google groups for a solution.

- [Islandora Group](#)
- Islandora Dev Group