

# Islandora Checksum

## Overview

A simple module to allow repository managers to enable the creation of a checksum for objects. If enabled, the following checksum algorithms are available: MD5, SHA-1, SHA-256, SHA-384, SHA-512.

This will checksum all datastreams.

## Dependencies

- [Islandora Core Module](#)
- [Tuque](#)

## Downloads

[Release Notes and Downloads](#)

## Installation

Unzip this module into your site's modules directory as you would any other contrib module. See [this](#) for further information.

## Configuration

Enable and set checksum type in Administration » Islandora » Islandora Utility Modules » Checksum (admin/islandora/tools/checksum). To retroactively enable or modify checksums for all objects in a collection, enable and set checksum type if you have not already done so, choose a collection, and click on the 'Apply' button.

Derivative generation can be bypassed when updating only the checksumType of an object. This applies to any modules that may modify the checksumType of the object, or to objects being updated via the "Apply or Re-Apply" batch process.

Checksum

islandora-development.org

[Home](#) » [Administration](#) » [Islandora](#) » [Islandora Utility Modules](#)

CHECKSUM CONFIGURATION

☒ Enable checksum

Enables checksum creation on datastreams.

Checksum type

SHA-512

Datastreams to Checksum

MODS,OBJ

A comma-separated list of DSIDs. Leave empty to checksum all datastreams.

☐ Bypass derivative regeneration when updating only checksums

Note that this setting will need to be saved first before attempting to retroactively enable checksums using the controls below.

APPLY OR RE-APPLY CHECKSUMS

Checksums will be applied to datastreams without checksums, or re-applied to datastreams whose checksumType does not match the site configured checksum type. Derivatives will be generated unless the above bypass has been enabled previously.

Collection

Audio Collection (islandora:audio\_collection)

Select a collection to apply or re-apply checksums on.

☒ Log errors

Log errors to watchdog.

Apply

This may take a while. Please be patient.

Save configuration

## Usage

Once checksums are enabled and a checksum type is set, configured datastreams will automatically be given the appropriate datastreams.

A drush command exists, **islandora-checksum-update-checksums**, to run the checksum updater on a collection or multiple collections. Use **drush help icuc** for more details.