

# FITS

## Overview

The File Information Tool Set (FITS) identifies, validates, and extracts technical metadata for various file formats. It wraps several third-party open source tools, normalizes and consolidates their output, and reports any errors. FITS was created by the Harvard University Library [Office for Information Systems](#) for use in its [Digital Repository Service \(DRS\)](#) (source: [code.google.com](http://code.google.com))

## Installation

1. Download FITS from <http://code.google.com/p/fits>
2. Follow the installation instructions at <http://code.google.com/p/fits/wiki/installing>.
3. Edit line 5 in fits.sh (FITS\_HOME=") and give it a home in the Apache user's path.

## Configuration

Navigate to Administer > Site Configuration > Islandora Configuration (admin/settings/fedora\_repository) and expand the "Advanced configuration options" tab. Here you can enable FITS support, specify the location of the fits script (on the file system) and the dsid you want to use for the technical metadata datastream.

The System path to fits processor must include "**fits.sh**", so it would look like: **"/usr/share/fits-0.6.1/fits.sh"** instead of **"/usr/share/fits-0.6.1/"**.

### Advanced configuration options

Advanced configuration. Under normal circumstances these will not be touched

**Restrict Access to Fedora Object Datastreams**

When enabled, restricts access to fedora object datastreams that are not listed in the Islandora Content Model for the object (unless the user is an administrator).

**Allow imagecache\_external use for thumbnails in collection view**

If enabled, the default collection list view (or anywhere the function "\_fedora\_repository\_render\_image()" is used) will try to use imagecache\_external, defaulting to the "fedora\_repository\_collection\_thumbnail" preset. XSLTs may be updated to use this function.

**Allow control groups select in datastream ingest**

Whether or not we should allow the user to select which control group to ingest a stream as, or to follow the old paradigm--to add stream IDed as XML as inline, and everything else as managed.

**Enable FITS support?**

Whether or not we should create a FITS datastream upon object ingest.

**Path to FITS executable:**

Path to FITS program on your server. It must be accessible by Drupal (i.e. apache user).

**Export area: \***

Path to the export area. It must be accessible by drupal (i.e. apache user).

Pathing for FITS does not accept symlinks. Make sure to write the full path.