

Disk Image Solution Pack

Overview

This module allows users to ingest and retrieve disk images through the Islandora interface and provides disk image forensics using Sleuthkit.

Dependencies

- [Islandora](#)
- [Tuque](#)
- [sleuthkit](#)
- [afflib-tools](#)
- [libafflib-dev](#)
- [libewf-dev](#)
- [ewf-tools](#)

Downloads

[Release Notes and Downloads](#)

Installation

To install Sleuthkit:

```
sudo apt-get install libafflib-dev afflib-tools libewf-dev ewf-tools
git clone https://github.com/sleuthkit/sleuthkit.git
cd sleuthkit
./bootstrap
./configure (no need to declare --with-afflib=dir if you installed libafflib-dev and afflib-tools as described
above)
make && sudo make install && sudo ldconfig
```

If you're on Ubuntu 12.04, you will need to [build](#) libewf from [source](#).

Configuration

Set the path for **fiwalk** at http://path.to.your.site/admin/islandora/solution_pack_config/disk_image.

Path to fiwalk executable. *

Path to fiwalk on your server.

Save configurationReset to defaults

If you would like to index the output of **fiwalk** in Solr, you can use [this](#) xslt.

Content Models, Prescribed Datastreams and Forms

The Disk Image Solution Pack comes with the following objects in http://path.to.your.site/admin/islandora/solution_pack_config/solution_packs:

- Islandora Disk Image Content Model (islandora:sp_disk_image)
- Disk Image Collection (islandora:sp_disk_image_collection)

A file ingested using the Disk Image Solution Pack's content model will have the following datastreams:

RELS-EXT	Default Fedora relationship metadata
MODS	MODS record filled out during ingest

DC	Dublin Core record
OBJ	Original disk image file uploaded
TN	Default thumbnail icon for disk image objects
TECHMD	TECHMD
TECHMD_DFXML	DFXML (output of fiwalk)

The Disk Image Solution Pack comes with the Disk Image MODS form.