

# PDF Solution Pack

## Overview

The PDF Solution Pack module adds functionality to Islandora for ingesting and viewing PDF files. It uses the ImageMagick library and module to create derivative thumbnail and preview images. Because of the text-based nature of PDF files, it can also be used to create or append easily searchable text datastreams to the object, which can later be configured through Solr to appear in searches.

## Dependencies

- [Islandora](#)
- [Tuque](#)
- [ImageMagick](#) is required to create derivatives. ( `Debian/Ubuntu sudo apt-get install imagemagick` )
- [pdftotext](#) is required to automatically create a FULL\_TEXT data stream. ( `Debian/Ubuntu sudo apt-get install pdftotext poppler-utils` )
- [ghostscript](#) ( `Debian/Ubuntu sudo apt-get install gs` )
- [ImageMagick Drupal module](#)

## Downloads

[Release Notes and Downloads](#)

## Configuration

The configuration options for the PDF Solution Pack module can be found at [http://path.to.your.site/admin/islandora/solution\\_pack\\_config/pdf](http://path.to.your.site/admin/islandora/solution_pack_config/pdf), and include the following:

### Text

Users can either upload a text file of their own, or allow Islandora to extract one from the PDF. Text accompanying the PDF is stored as the FULL\_TEXT datastream. If both options are checked under the **Text** configuration section, and a valid path to pdftotext is entered, preference will be given to a supplied text file on ingest.

- **Allow users to upload text file with PDF?:** This file must be plain text stored in .txt format.
- **Store extracted (or supplied) text?:** Checking this box, will display an option to enter a path to the pdftotext executable. This package is not native to most server setups and will need to be installed manually for this option to be functional. Check the [pdftotext](#) dependency page for more information.
- **Create PDF/A archival derivative from PDF:** Create a PDF/A version of any uploaded PDF. PDF/A is a restrictive standard that prohibits more easily broken components of the PDF spec, such as fillable forms and DRM. The PDF/A derivative will not be used for display. Requires ghostscript to be installed on the server.

### Thumbnail and Preview

These options set the parameters that will be sent to ImageMagick when ingesting a PDF. ImageMagick will attempt to create these using the first page of the document. Changing these will simply change the size of the derivatives being created.

[blocked URL](#)

## Viewers

The PDF Solution pack can utilize the PDF.js viewer to display PDF documents inline. To enable, navigate to the PDF Solution Pack's configuration page ([admin/islandora/solution\\_pack\\_config/pdf](#)) and select the PDF.js as the viewer.

**VIEWERS**

Select a viewer

DEFAULT	LABEL	DESCRIPTION	CONFIGURATION
<input type="radio"/>	None	Don't use a viewer for this solution pack.	
<input checked="" type="radio"/>	pdf.js Reader	Mozilla pdf.js Reader.	

Preferred viewer for your solution pack. These may be provided by third-party modules.

Save configuration

## Content Models, Prescribed Datastreams and Forms

The PDF Solution Pack comes with the following objects in [http://path.to.your.site/admin/islandora/solution\\_pack\\_config/solution\\_packs](http://path.to.your.site/admin/islandora/solution_pack_config/solution_packs):

- Islandora PDF Content Model (islandora:sp\_pdf)
- PDF Collection (islandora:sp\_pdf\_collection)

A collection created using the PDF Solution Pack's content model will have the following datastreams:

RELS-EXT	Default Fedora relationship metadata
MODS	MODS metadata record created during ingest
DC	Dublin Core record
OBJ	Original PDF file uploaded
TN	Thumbnail image created by ImageMagick during ingest
PREVIEW	Preview image created by ImageMagick during ingest
FULL_TEXT	Optional datastream either uploaded during ingest, or created by the pdftotext executable

The PDF Solution Pack comes with the PDF MODS Form.