

# PDF To Image

The PDF To Image module provides automatic conversion of uploaded PDF files to images. It can be used either to create a snapshot of the front page, or to generate a gallery of images from each page in the document.

The module provides a new widget for managing PDF file uploads. It places generated images into a nominated Image field on the same content type.

## Requirements

- File field, Image field and (optionally) Imagemagick module.
- ImageMagick toolkit (convert) to be available on server and in your PATH via command-line interface. You *can* use [ImageMagick module](#) .
- Ghostscript (gs) installed on the server also.

If the Drupal imagemagick.module is not available, the process will still run, using the version of 'convert' that is available on your server. However imagemagick.module is recommended for win32 installations and it has better diagnostics available.

## Installation

You must have the imagemagick tools available on your server, and able to be called from the commandline. Running

```
which convert
```

on your server should tell you if and where the binary exists.

Run

```
convert -version
```

to check that pdf support is available as one to the formats in the 'Delegates' list.

Once the module is enabled, check your site status at /admin/reports/status You should see a message that will tell you if your system is ready to run. "Imagemagick support for PDF to Image" If not, you need to check the requirements and the ImageMagick settings at admin/config/media/image-toolkit. See the ImageMagick project docs for troubleshooting further.

If ImageMagick appears to be available but still does not convert PDFs, it could be it wasn't installed with 'Ghostscript' libraries or other required dependencies. You'll have to go to the ImageMagick forums for help with that. It may be as easy as "apt-get install ghostscript" or similar, so try that.

# Configuration

## Quickstart

A 'feature' has been provided that will auto-configure a demonstration content type with some default settings applied.

- Download and enable 'features' module.
- Enable 'PDF document'

You should now be able to "Add content » Document" and try out the function. To work this into your own site structure, see below.

## Manual configuration

- First, add an image field on your chosen content type. This is where the generated images will be stored.
- Set the allowed fields to 1 if you just want a cover page, direct number to store only some count of pages or 'unlimited' if you want all pages to be generated.
- Next add a filefield to your chosen content type and choose 'PDF to Image' as the widget. This filefield should be configured to only accept PDF file types.
- When configuring this field, you will be required to link the uploaded file field with the target image field.
- You can add image style handling to the image field rendering as normal to adjust the size of the results and how they display on the page.
- Remember to confirm that ImageMagick is working for you!

## Usage

With the above configs set up right, you can now

- Create a piece of content
- if you upload a pdf and leave the image field blank, images will be generated for it.
- If you upload a PDF *and* an image of your choosing, that will be left alone.
- If you delete the image(s), an image of the PDF will be regenerated.

## Troubleshooting

If nothing special seems to happen when saving a node, check the status report and ensure the Imagemagick "convert" binary, and Ghostscript "gs" is available.

If it seems to start a batch job but fails, check the logs for more detail on the command that was run and see what failed.

## Processing

Processing of PDF may take some time.

Larger documents use the 'batch' process to generate each page.

## Field paths and tokens

This module SHOULD be compatible with [filefield\\_paths](#) which allows you to customize the file folders and file names of the uploaded and generated images. A custom token

```
[node:p2i-source-filename]
```

is available to allow you to name the derived images after the source PDF if you wish.

## Dev notes

The only candidate function from ImageAPI which may perform PDF to image conversion is `_imageapi_imagemagick_convert()`. Unfortunately, it can't pass arguments to 'convert' tool of ImageMagick \*before\* source file specification, which is needed to change default density of 100x100dpi. On this reason, a custom function is included in the module's source:

```
function pdf_to_image_generate_page($params, $page_number = 0) {  
  . . .  
}
```

Triggering from code The actual conversion process happens in a Drupal batch task. Thus, you must be calling it in a way that allows batch processing (such as a form submission) If calling `entity_save()` programmatically (like via cron) you may need to manually trigger `batch_process()` as well.

## Troubleshooting Imagemagick install

Imagemagick does come with a stand-alone binary installer for desktop systems. You should try using that first.

OSX (mavericks) with homebrew

```
sudo brew install imagemagick
```

... seemed to work but failed with the message:

```
dyld: Library not loaded: /usr/local/lib/libltdl.7.dylib  
Referenced from: /usr/local/bin/convert
```

The fix described here worked

[https://fmt.ewi.utwente.nl/redmine/projects/jtorx/wiki/Additional\\_dependency\\_for\\_Mac\\_OS\\_X\\_108\\_\(Mountain\\_Lion\)\\_for\\_the\\_anidot\\_automaton\\_visualization](https://fmt.ewi.utwente.nl/redmine/projects/jtorx/wiki/Additional_dependency_for_Mac_OS_X_108_(Mountain_Lion)_for_the_anidot_automaton_visualization)

```
sudo brew uninstall libtool  
sudo brew install libtool --universal
```

(Requires XCode)