
FileShelf Documentation

Release

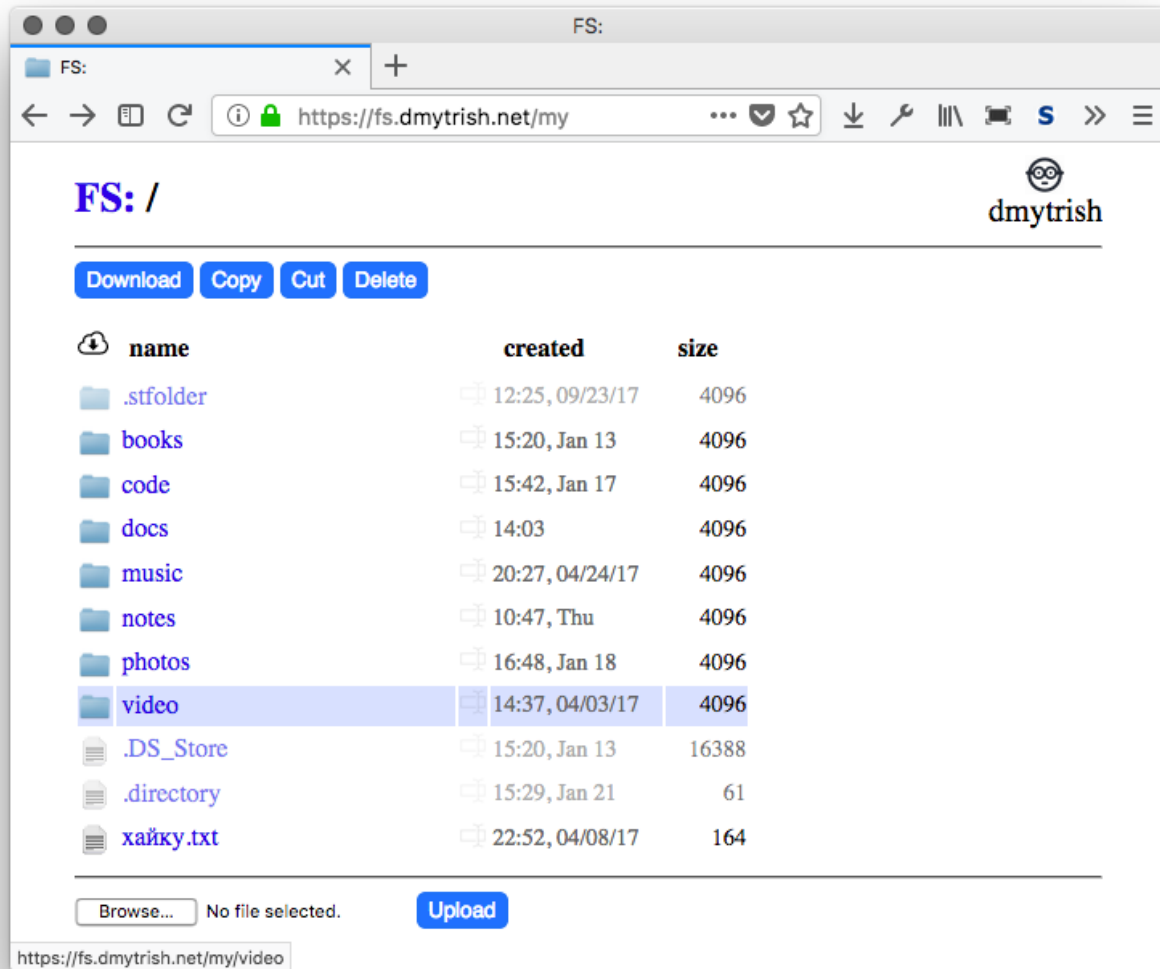
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Jan 27, 2018

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FileShelf is a simple web-based file manager:



CHAPTER 1

Features

- fast directory browsing using lightweight pages;
- core functionality works without JavaScript, progressive enhancement; noscript/w3m/elinks compatible;
- file uploading/downloading;
- creating new files/directories, rename/delete, copy/cut/paste files;

File content plugins out of the box:

- viewing *pdf* files using your browser;
- editing text files using [CodeMirror](#) (with vim mode);
- reading *epub* files using [epub.js](#);
- playing html5-compatible audio files from a directory;
- playing html5-compatible video files (mp4/ogv; not avi, unfortunately);

FileShelf is *extensible*: write any file plugin you like!

Optional features:

- offloading large static files to Nginx;
- multiuser setup;
- basic HTTP authentication;

CHAPTER 2

Install and run

You must have `python > 3.3` installed; `virtualenv` is recommended, but you can install the packages from `requirements.txt` manually system-wide.

Clone/download the [Github repository](#).

To serve a directory (`./storage` by default) in a single-user mode, run:

```
$ /path/to/filesshelf/filesshelf.sh $DIRECTORY
```

Now check <http://localhost:8021>.

CHAPTER 3

Docker

If you want to use a Docker container, there is [the official FileShelf image at Dockerhub](#):

```
$ docker pull dmytrish/filesshelf
```

Alternatively, you can build it yourself:

```
$ cd /path/to/filesshelf
$ docker build -t filesshelf:master .
```

To deploy the image, use the supplied [docker-compose.yml](#):

```
$ docker-compose up
```

and check <http://localhost:8021>

CHAPTER 4

Configuration

FileShelf can take a configuration file as a parameter:

```
$ ./fileshelf.sh -c conf.json
```

Some values in the configuration file may be overridden from command line:

```
$ ./fileshelf.sh --port=8021 --debug
```

Configuration options are listed here: [fileshelf/config.py](#)

An example of a simple configuration file:

```
{
  "host": "0.0.0.0",
  "port": 8021,
  "debug": true,
  "storage_dir": "~/fileshelf"
}
```