Pelican

A Static Site Generator, Powered by Python

For PyLadies Bengaluru

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Agenda

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- Markdown

Overview

- Static Site Generator
- Pelican
- Markdown

Why Pelican?

+ Python!
+ Open Source
+ Supports reStructured, Markdown and AsciiDoc
+ Multilingual
+ One of the fastest, a thousand articles in seconds
+ Features: Production of drafts before publishing
+ Easy control of the design and implementation of the site
+ Can easily be hosted (for free) on GitHub/GitLab pages
+ Changing of themes is super easy

Installation

```
pip install pelican
pip install markdown
```

Activate pelicanenv

```
cd ~/Projects/pelican
virtualenv pelicanenv

source ~/Projects/pelican/pelicanenv/bin/activate
```

Create a Project

```
mkdir ~/Projects/abc
cd ~/Projects/abc

pelican-quickstart
```

```
fish  /home/aish/Projects/abc
Welcome to fish, the friendly interactive shell
→  ~ Projects/
→  Projects mkdir abc
→  Projects abc/
→  abc source ../pelican/pelicanenv/bin/activate.fish
(pelicanenv) →  abc ls
(pelicanenv) →  abc pelican-quickstart
Welcome to pelican-quickstart v4.0.0.

This script will help you create a new Pelican-based website.

Please answer the following questions so this script can generate the files
needed by Pelican.


> Where do you want to create your new web site? [.]
> What will be the title of this web site?
You must enter something
> What will be the title of this web site? Sample
> Who will be the author of this web site? Sample
> What will be the default language of this web site? [en]
> Do you want to specify a URL prefix? e.g., https://example.com   (Y/n) n
> Do you want to enable article pagination? (Y/n)
> How many articles per page do you want? [10]
> What is your time zone? [Europe/Paris] Asia/Kolkata
> Do you want to generate a tasks.py/Makefile to automate generation and publishing? (Y/n)
> Do you want to upload your website using FTP? (y/N)
> Do you want to upload your website using SSH? (y/N)
> Do you want to upload your website using Dropbox? (y/N)
> Do you want to upload your website using S3? (y/N)
> Do you want to upload your website using Rackspace Cloud Files? (y/N)
> Do you want to upload your website using GitHub Pages? (y/N)
Done. Your new project is available at /home/aish/Projects/abc
(pelicanenv) →  abc ls
content/  Makefile  output/  pelicanconf.py  publishconf.py  tasks.py
(pelicanenv) →  abc
```

Create a Project

```
mkdir ~/Projects/abc
cd ~/Projects/abc

pelican-quickstart
```

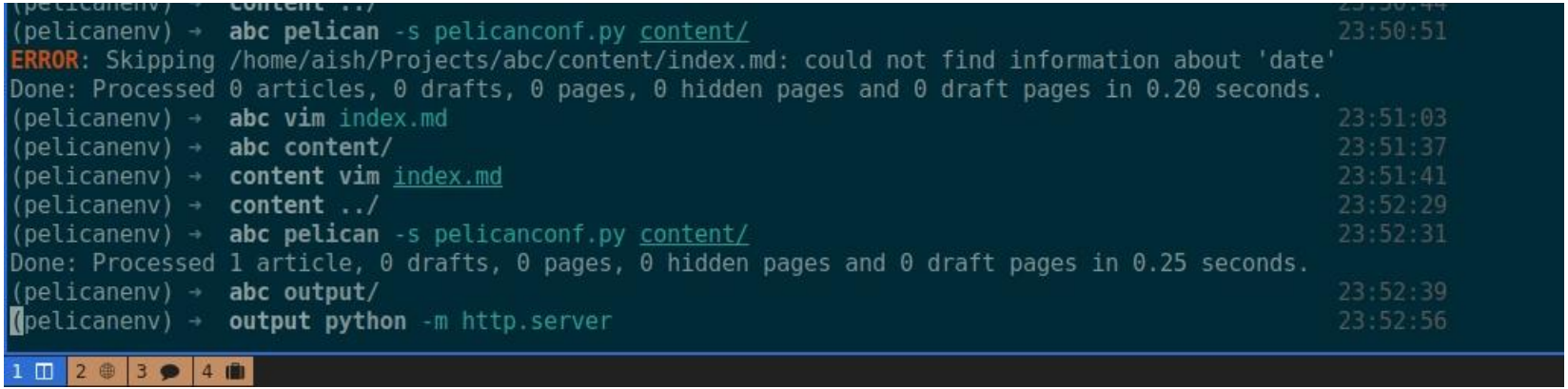
Create an Article

Title: The First.
Category: Random
Date: 2018-12-04 23:52
Author: A

Hello there! This is my first article.

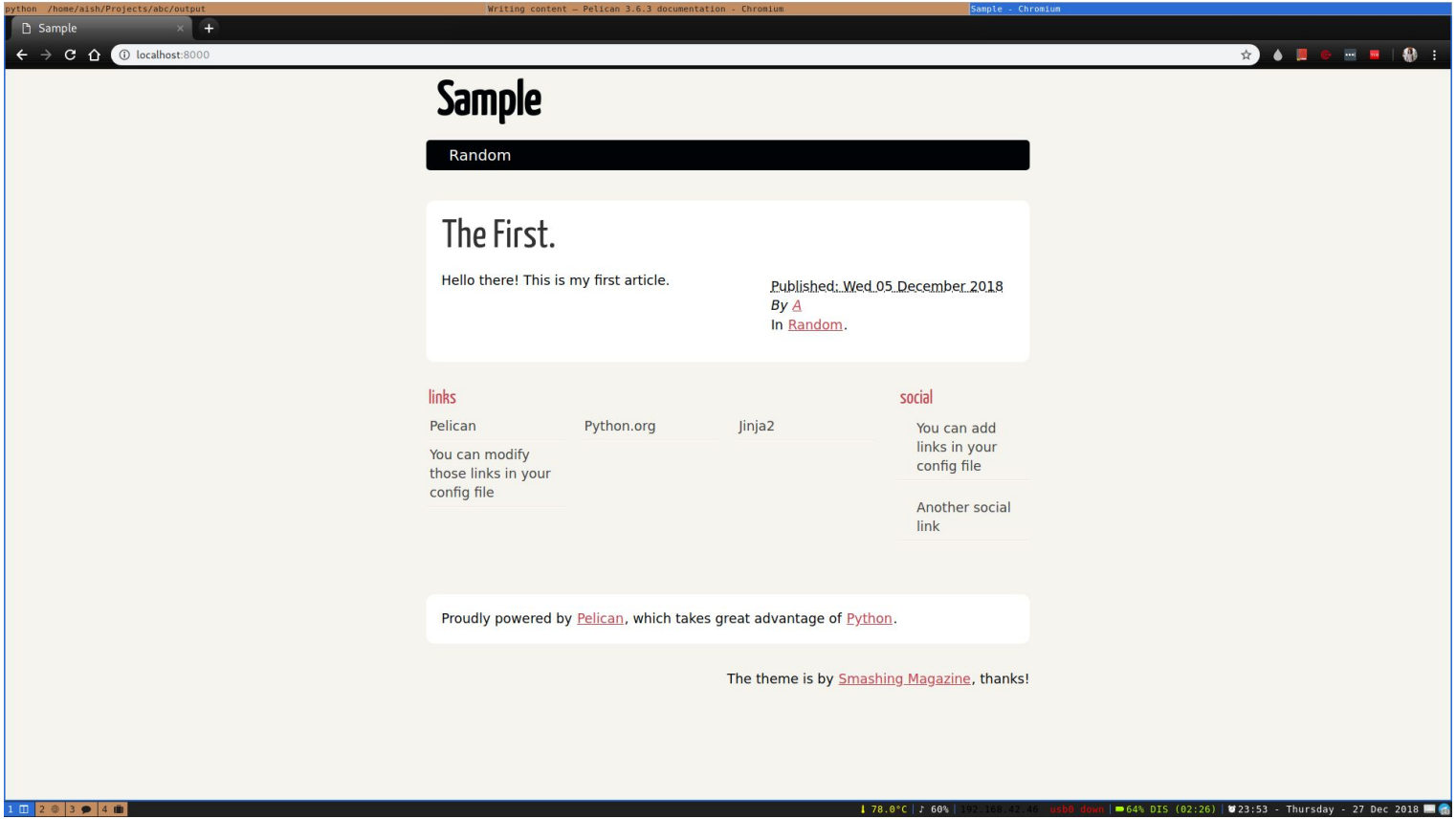
Generate your Site

```
pelican content
```


(pelicanenv) → abc pelican -s pelicanconf.py content/ 23:50:51
ERROR: Skipping /home/aish/Projects/abc/content/index.md: could not find information about 'date'
Done: Processed 0 articles, 0 drafts, 0 pages, 0 hidden pages and 0 draft pages in 0.20 seconds.
(pelicanenv) → abc vim index.md 23:51:03
(pelicanenv) → abc content/ 23:51:37
(pelicanenv) → content vim index.md 23:51:41
(pelicanenv) → content ../ 23:52:29
(pelicanenv) → abc pelican -s pelicanconf.py content/ 23:52:31
Done: Processed 1 article, 0 drafts, 0 pages, 0 hidden pages and 0 draft pages in 0.25 seconds.
(pelicanenv) → abc output/ 23:52:39
(pelicanenv) → output python -m http.server 23:52:56
1 2 3 4

Preview your Site

```
cd ~/projects/yoursite/output
python -m pelican.server
```

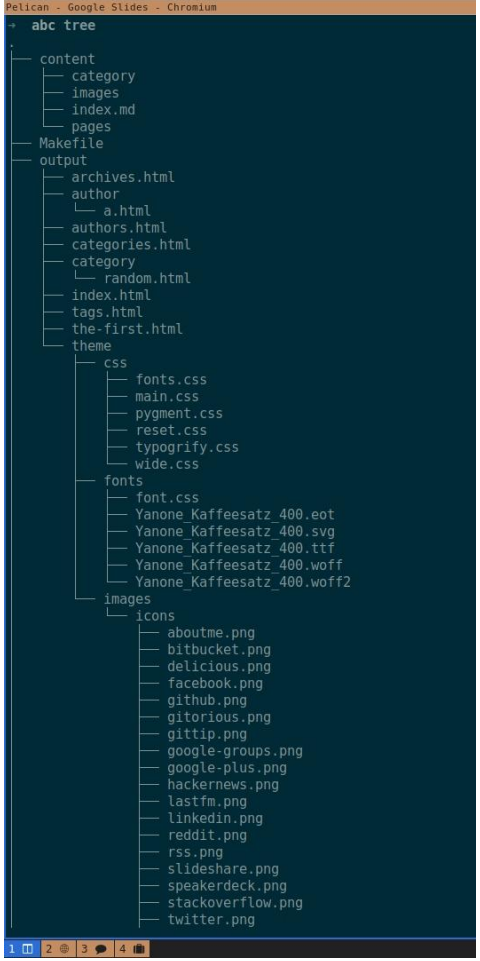

python /home/aish/Projects/abc/output
Writing content — Pelican 3.6.3 documentation - Chromium
Sample - Chromium
Sample
localhost:8000
Sample
Random
The First.
Hello there! This is my first article.
Published: Wed 05 December 2018
By A
In Random.
links
Pelican
Python.org
Jinja2
You can modify those links in your config file
social
You can add links in your config file
Another social link
Proudly powered by Pelican, which takes great advantage of Python.
The theme is by Smashing Magazine, thanks!

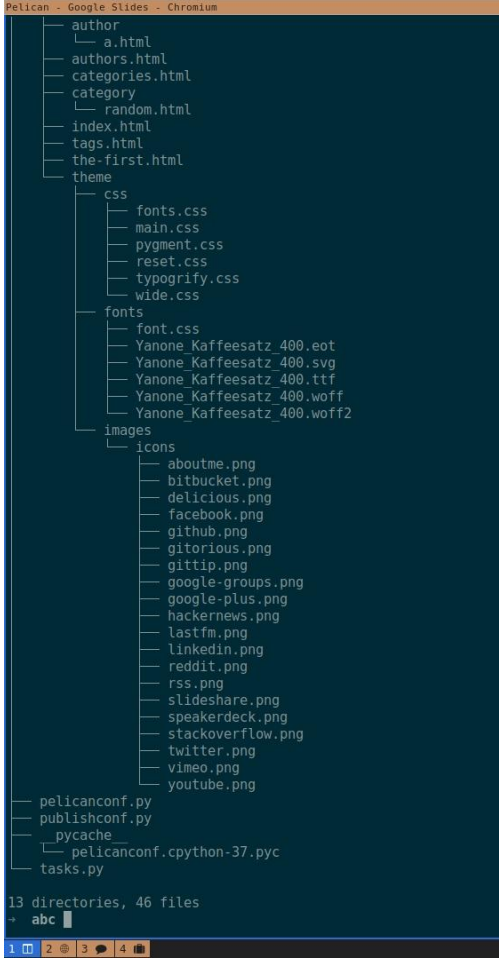
Publish your Site

```
pelican -s pelicanconf.py content/
pelican -s pelicanconf.py -t ../pelican/pelican-themes/(theme) content/
```

Pelican Structure

```
(pelicanenv) →  abc content/
(pelicanenv) →  content mkdir category                    23:45:33
(pelicanenv) →  content mkdir images/                     23:48:55
(pelicanenv) →  content mkdir pages                       23:49:00
(pelicanenv) →  content vim index.md                      23:49:16
```


Pelican - Google Slides - Chromium
abc tree
.
├── content
│   ├── category
│   ├── images
│   ├── index.md
│   └── pages
├── Makefile
├── output
│   ├── archives.html
│   ├── author
│   │   └── a.html
│   ├── authors.html
│   ├── categories.html
│   ├── category
│   │   └── random.html
│   ├── index.html
│   ├── tags.html
│   ├── the-first.html
│   └── theme
│   ├── css
│   │   ├── fonts.css
│   │   ├── main.css
│   │   ├── pygment.css
│   │   ├── reset.css
│   │   ├── typogrify.css
│   │   └── wide.css
│   ├── fonts
│   │   ├── font.css
│   │   ├── Yanone_Kaffeesatz_400.eot
│   │   ├── Yanone_Kaffeesatz_400.svg
│   │   ├── Yanone_Kaffeesatz_400.ttf
│   │   ├── Yanone_Kaffeesatz_400.woff
│   │   └── Yanone_Kaffeesatz_400.woff2
│   └── images
│   └── icons
│   ├── aboutme.png
│   ├── bitbucket.png
│   ├── delicious.png
│   ├── facebook.png
│   ├── github.png
│   ├── gitorious.png
│   ├── gittip.png
│   ├── google-groups.png
│   ├── google-plus.png
│   ├── hackernews.png
│   ├── lastfm.png
│   ├── linkedin.png
│   ├── reddit.png
│   ├── rss.png
│   ├── slideshare.png
│   ├── speakerdeck.png
│   ├── stackoverflow.png
│   ├── twitter.png
1 2 3 4


Pelican - Google Slides - Chromium
│   ├── author
│   │   └── a.html
│   ├── authors.html
│   ├── categories.html
│   ├── category
│   │   └── random.html
│   ├── index.html
│   ├── tags.html
│   ├── the-first.html
│   └── theme
│   ├── css
│   │   ├── fonts.css
│   │   ├── main.css
│   │   ├── pygment.css
│   │   ├── reset.css
│   │   ├── typogrify.css
│   │   └── wide.css
│   ├── fonts
│   │   ├── font.css
│   │   ├── Yanone_Kaffeesatz_400.eot
│   │   ├── Yanone_Kaffeesatz_400.svg
│   │   ├── Yanone_Kaffeesatz_400.ttf
│   │   ├── Yanone_Kaffeesatz_400.woff
│   │   └── Yanone_Kaffeesatz_400.woff2
│   └── images
│   └── icons
│   ├── aboutme.png
│   ├── bitbucket.png
│   ├── delicious.png
│   ├── facebook.png
│   ├── github.png
│   ├── gitorious.png
│   ├── gittip.png
│   ├── google-groups.png
│   ├── google-plus.png
│   ├── hackernews.png
│   ├── lastfm.png
│   ├── linkedin.png
│   ├── reddit.png
│   ├── rss.png
│   ├── slideshare.png
│   ├── speakerdeck.png
│   ├── stackoverflow.png
│   ├── twitter.png
│   ├── vimeo.png
│   └── youtube.png
├── pelicanconf.py
├── publishconf.py
├── __pycache__
│   └── pelicanconf.cpython-37.pyc
└── tasks.py

13 directories, 46 files
abc
1 2 3 4

Add a Theme!

- pelicanconf.py: `THEME = “something”`
- “something” can be chosen from Pelican Themes github repository

Markdown

- What is it?
- Extension: .md or .markdown
- Basic Syntax
- Multimarkdown Syntax

Thank you!