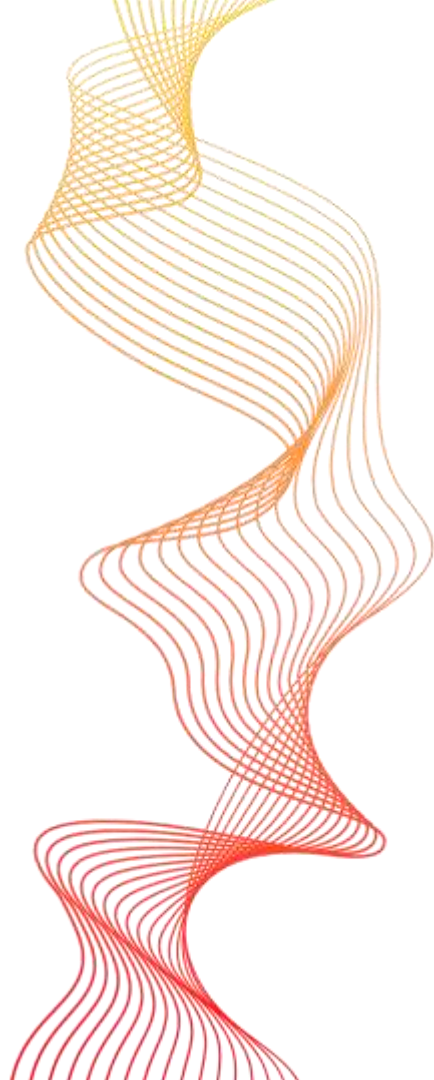# How to build your own blog?

Utilizing Hexo & Github Page (or other Page service), you can create a blog of your own within 10minutes.
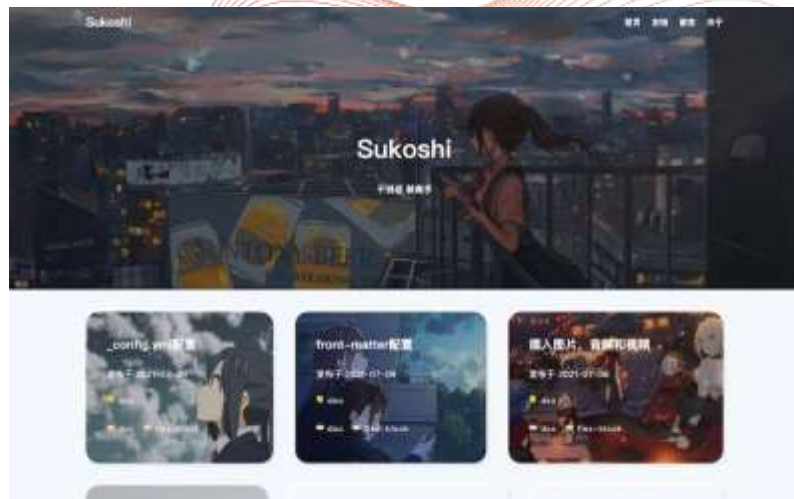
Mofianger@mofianger.github.io

Have you ever wonder...?

- How to build a fancy blog where you can publish your own article?

- What are taken to build such a blog?
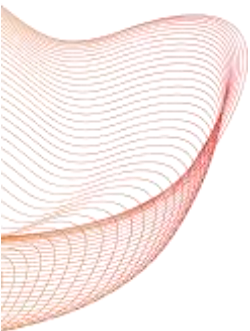
All you need is Hexo and 10 minutes!

Hexo

https://hexo.io/zh-cn/

A blog framework

Dozens of theme based on Hexo are available

You can write your blog with Markdown, the md file then automatically transformed into html format by Hexo framework.

Step 1 Prerequisite

Download Node JS: https://nodejs.org/en/download

Download Hexo via npm

```
npm install hexo-cli -g
```

Download Node.js®

Download Node.js the way you want.

Prebuilt Installer   Prebuilt Binaries   Package Manager   Source Code

I want the   v20.12.1 (LTS)   version of Node.js for   Windows   running   x64

⬇ Download Node.js v20.12.1

Node.js includes npm (10.5.0).
Read the changelog for this version.
Read the blog post for this version.
Learn how to verify signed SHASUMS.
Check out all available Node.js download options.

Step 2 Set up your blog

`mkdir xxx & cd ./xxx`
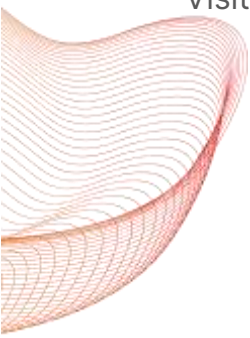
`hexo init` (A blank directory is required | Special network condition)

`hexo clean & hexo g & hexo s`

(Clear static file, Generate new static file, Start server service)

Visit your blog at: http://localhost:4000/

Step 2 Another way to put up your blog on the Internet

```
hexo clean & hexo g
```

```
cd ./public
```

(./public is where the static files are stored)

```
http-server (npm install http-server -g)
```

Theoretically, it can be visited among campus network
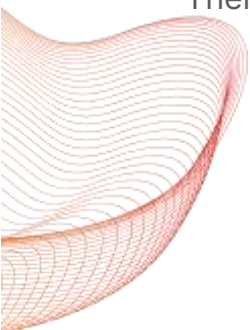
Step 3 Your first blog

Enter your blog directory

`hexo new blogname`

```
D:\test>hexo new blog1
INFO  Validating config
INFO  Created: D:\test\source\_posts\blog1.md
```

Then, you can find a file named "blogname.md" in ./source/_posts

You can edit your blog content by editing blogname.md

Then have a try looking at what it looks like in the website, using `hexo clean & hexo g & hexo s`

Step 4 Configuration

Hexo configuration file is at: ./_config.yml

Something you may want to edit:

`title: subtitle: author:`

`permalink:` determine the path the html file is stored

Try it yourself to see what will happen after alteration

To run your blog, remember to `use hexo clean & hexo g & hexo s` (or `http-server`)

```
title: Hexo
subtitle: ''
description: ''
keywords:
author: John Doe
language: en
timezone: ''
```

```
permalink: :year/:month/:day/:title/
```
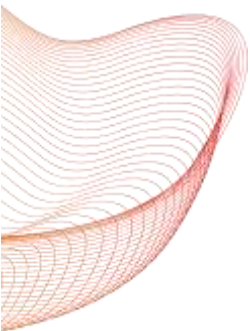
Step 5 It's so ugly. How to beautify it?

You can beautify the page by utilizing others' theme.

Specifically, visit https://hexo.io/themes/ or other hexo theme community.

Pick up one that you favor, and find the tutorial guidebook written by the author.

Follow the instructions.

Step 6 One-command-deploy: Github setting

Register an Github account and create a repository named your_github_username.github.io

Configure your repository setting:

Download Git

Configure ssh:
```
git config --global user.name "yourname"
git config --global user.email "youremail"

        ssh-keygen -t rsa -C "youremail"
```
Add ssh into your personal settings.

Source

Deploy from a branch ▾

Branch
Your GitHub Pages site is currently being built fror for your site.

main ▾   / (root) ▾   Save

SSH keys

This is a list of SSH keys associated with your account. Remove any keys that you do not recognize.

Authentication keys

my ssh key
SHA256
SSH   Added on Jan 20, 2024
Last used within the last week — Read/write

Step 6 One-command-deploy: Hexo setting

Install hexo-deployer-git: `npm install hexo-deployer-git --save`

Add the following content to ./_config.yml

```
deploy:
type: git
repo: https://github.com/<username>/<project>
# example, https://github.com/hexojs/hexojs.github.io
branch: main
```

`hexo clean & hexo d`

Visit your_github_username.github.io
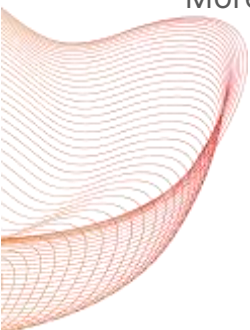
Step 7 Enjoy yourself and feel free to explore

How to put up photographs conveniently?

How to display mathematical formulas correctly?

How to build up a search engine?

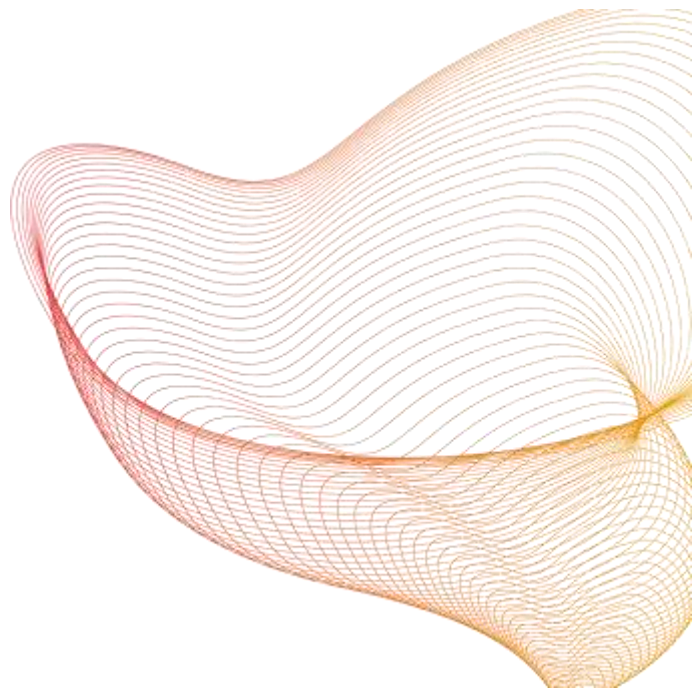How to apply more functioning modules? (e.g. online pdf reading, ppt displaying)

More things are left for you to explore!

For more information

- Visit https://hexo.io/

- Browse community articles

Grazie mille! 🙂

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