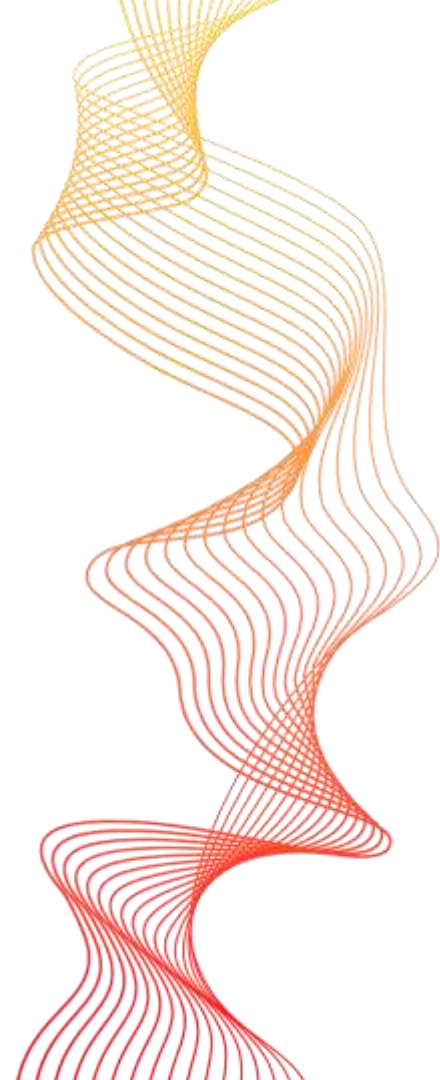




# How to build your own blog?

Utilizing **Hexo** & **Github Page** (or other Page service), you can create a blog of your own within 10minutes.

Mofianger@mofianger.github.io

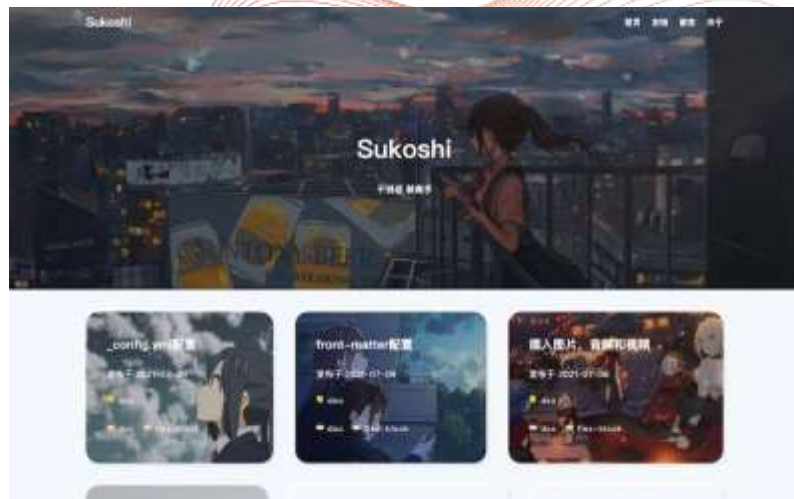




## Have you ever wonder...?

- 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!**





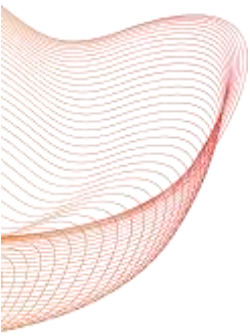
# Hexo

<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  version of Node.js for  running

 [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
```

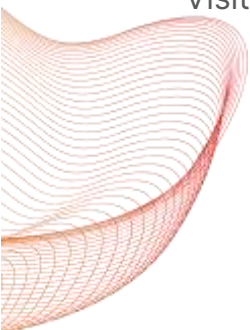
```
hexo init
```

 (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

Available on:

http://192.168.56.1:8080

http://192.168.192.76:8080

http://10.197.71.98:8080

http://127.0.0.1:8080



## Step 3 Your first blog

Enter your blog directory

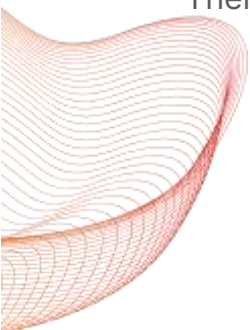
```
hexo new blogname
```

```
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/
```





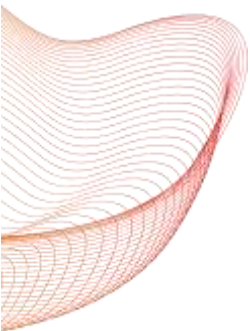
## Step 5 It's so ugly. How to beautify it?

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:

Source

Deploy from a branch ▾

Branch

Your GitHub Pages site is currently being built from  
[for your site.](#)

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.

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



SSH

my ssh key

SHA256

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

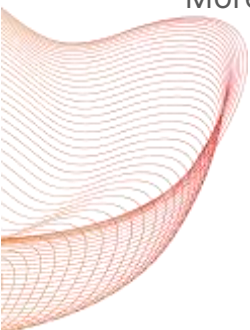
How to put up photographs conveniently?

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)

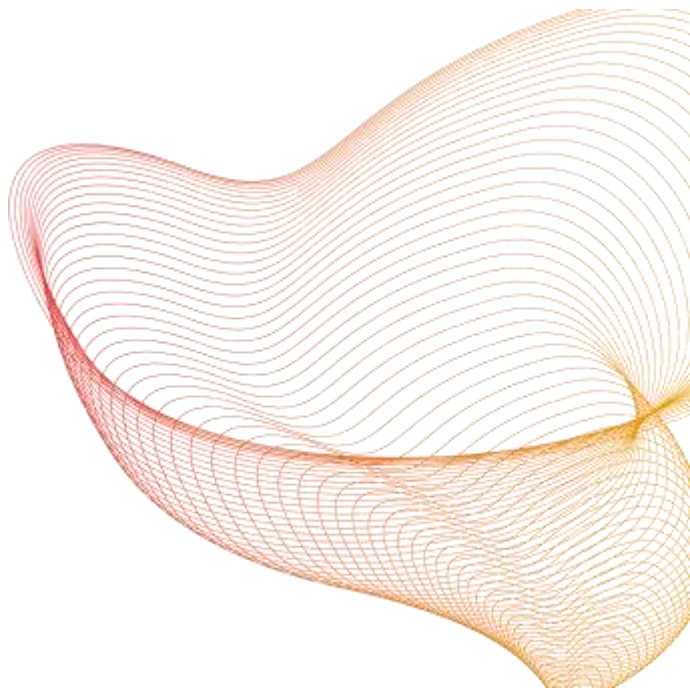
More things are left for you to explore!





## For more information

- Visit <https://hexo.io/>
- Browse community articles





**Grazie mille!** 😊

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