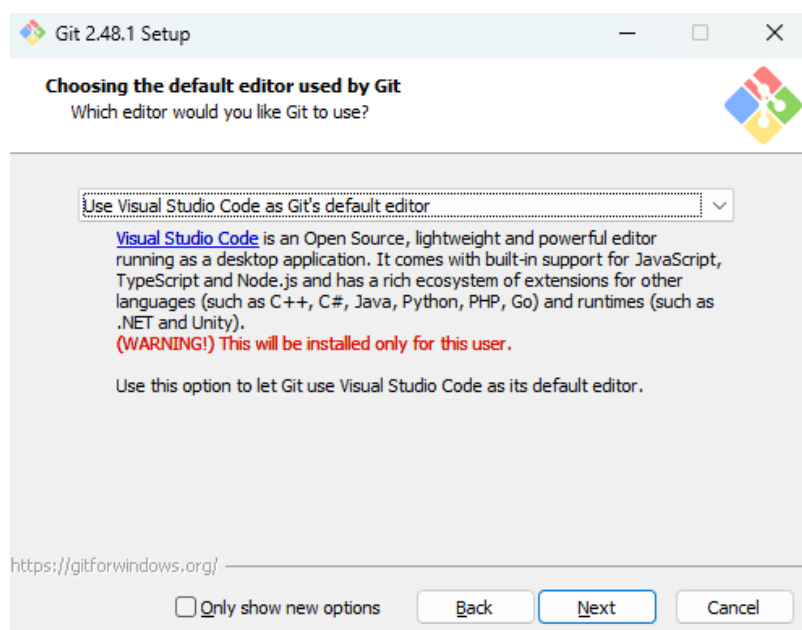
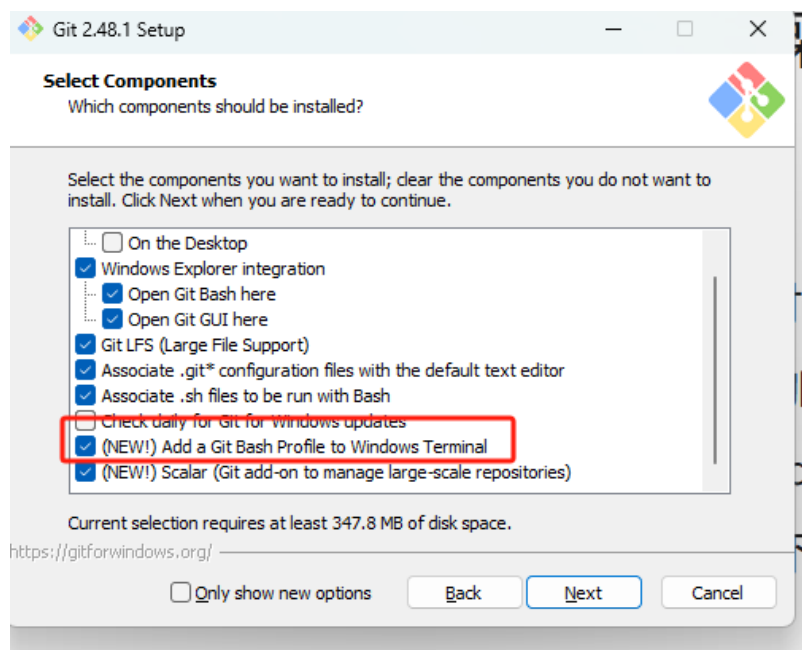


## • 准备开发环境 & 生成SSH密钥

- (在Windows环境下实现大部分Linux系统的操作和功能)
  - 安装 [VS Code](#) (代码编辑器)
  - 安装 [Git](#) (代码版本管理软件) 配置到windows终端 具体选项:



## Adjusting the name of the initial branch in new repositories

What would you like Git to name the initial branch after "git init"?



### ☐ Let Git decide

Let Git use its default branch name (currently: "master") for the initial branch in newly created repositories. The Git project [intends](#) to change this default to a more inclusive name in the near future.

### ☒ Override the default branch name for new repositories

**NEW!** Many teams already renamed their default branches; common choices are "main", "trunk" and "development". Specify the name "git init" should use for the initial branch:

This setting does not affect existing repositories.

## Git 2.48.1 Setup

### Adjusting your PATH environment

How would you like to use Git from the command line?



### ☐ Use Git from Git Bash only

This is the most cautious choice as your PATH will not be modified at all. You will only be able to use the Git command line tools from Git Bash.

### ☐ Git from the command line and also from 3rd-party software

**(Recommended)** This option adds only some minimal Git wrappers to your PATH to avoid cluttering your environment with optional Unix tools. You will be able to use Git from Git Bash, the Command Prompt and the Windows PowerShell as well as any third-party software looking for Git in PATH.

### ☒ Use Git and optional Unix tools from the Command Prompt

Both Git and the optional Unix tools will be added to your PATH.

**Warning:** This will override Windows tools like "find" and "sort". Only use this option if you understand the implications.

<https://gitforwindows.org/>

☐ Only show new options

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Cancel

## Git 2.48.1 Setup

### Choosing the SSH executable

Which Secure Shell client program would you like Git to use?



### ☒ Use bundled OpenSSH

This uses ssh.exe that comes with Git.

### ☐ Use external OpenSSH

**NEW!** This uses an external ssh.exe. Git will not install its own OpenSSH (and related) binaries but use them as found on the PATH.

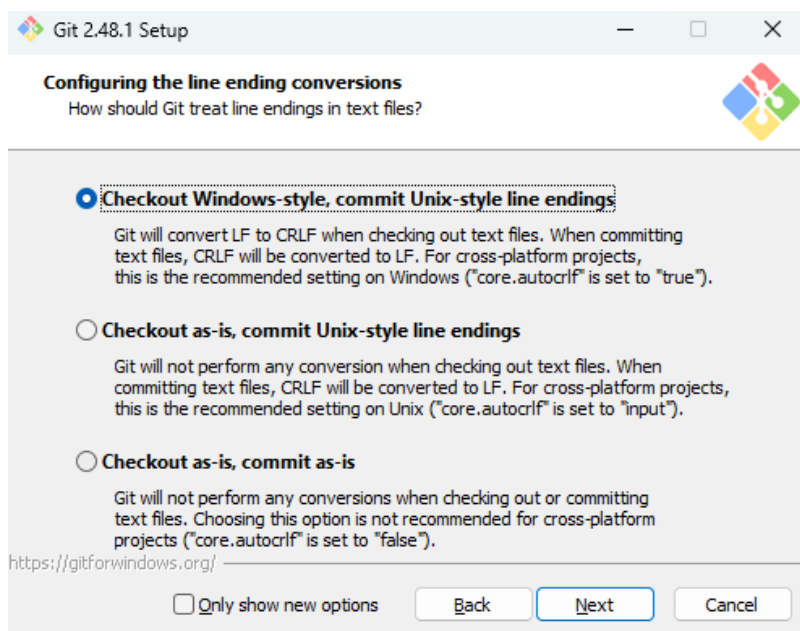
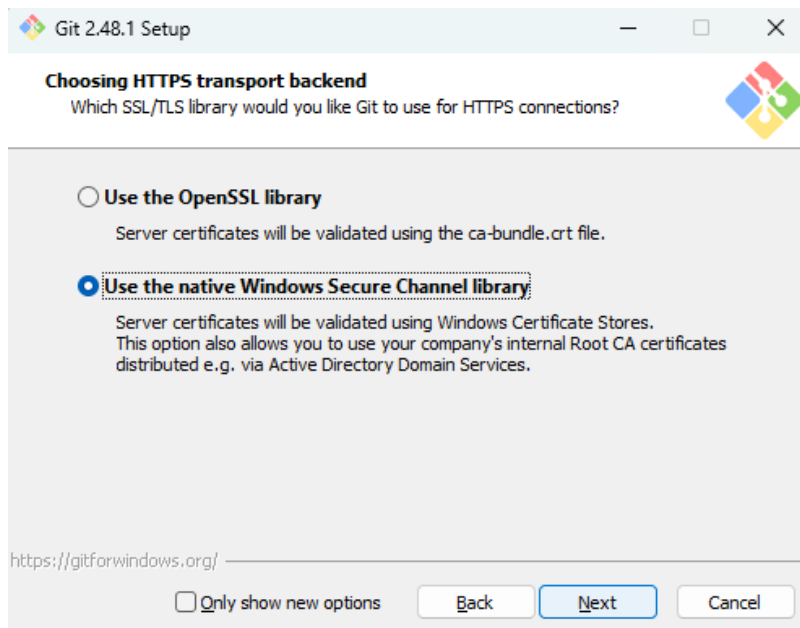
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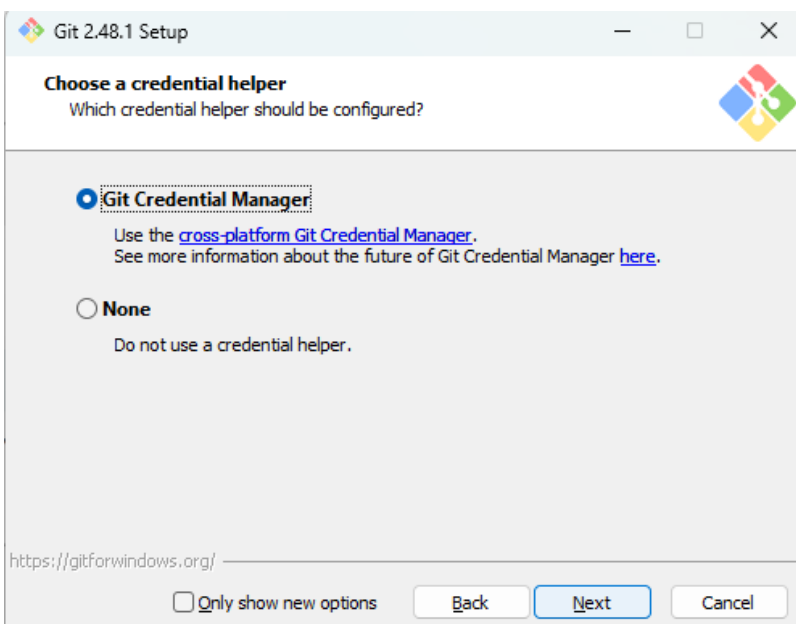
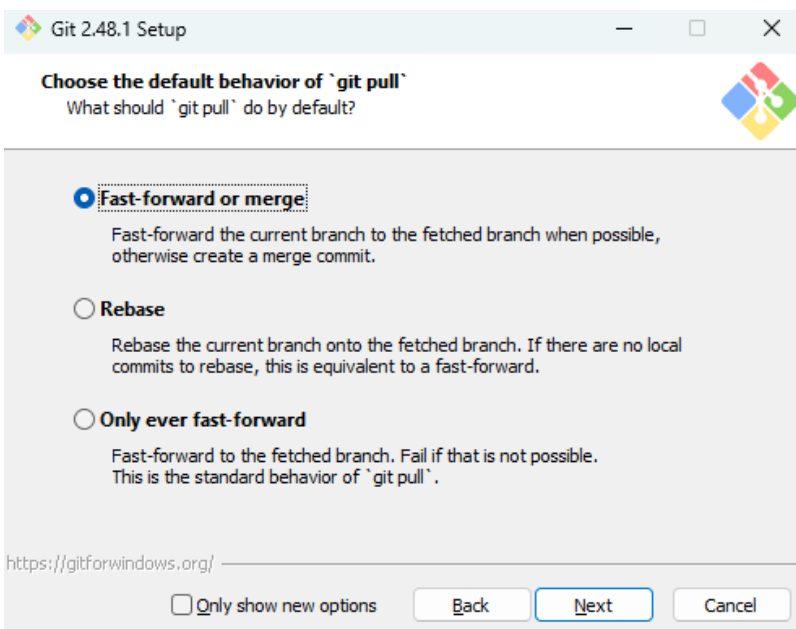
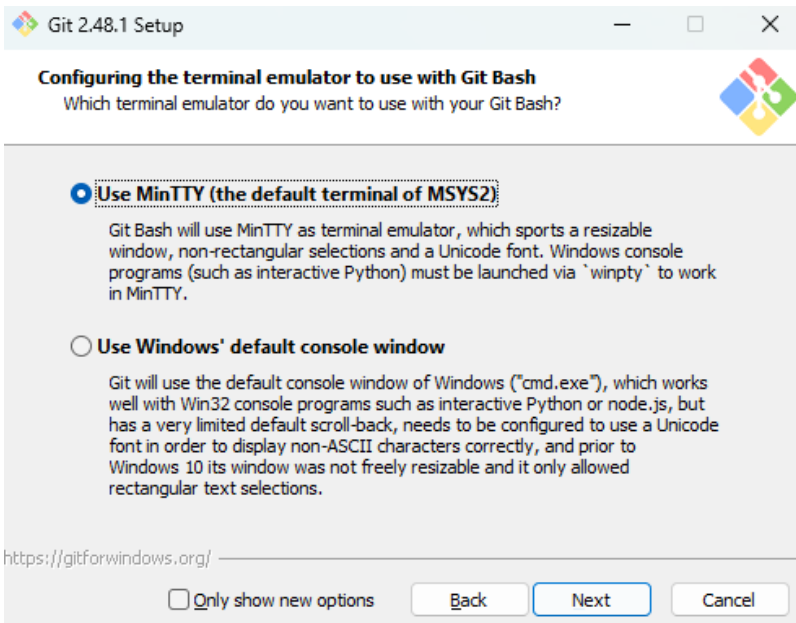
☐ Only show new options

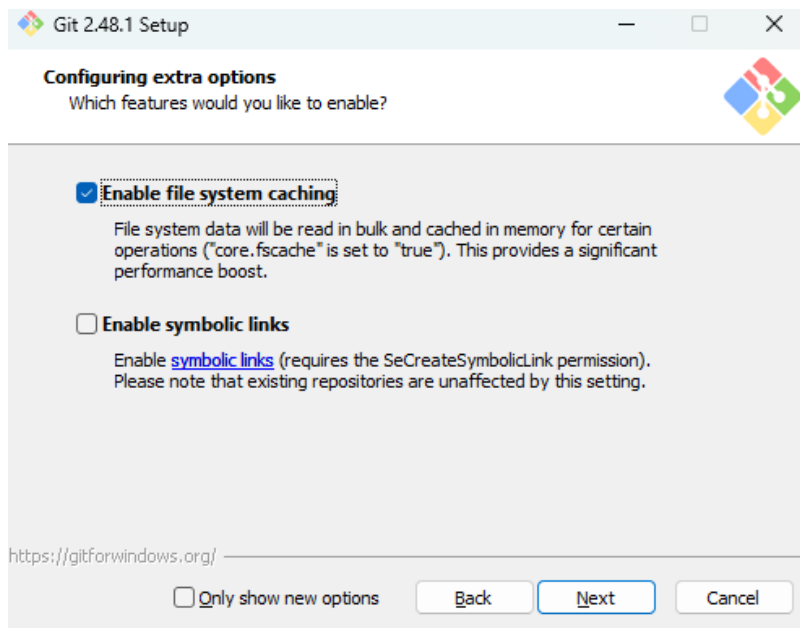
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Cancel







- 安装 [Anaconda](#) (Python 解释器)：方便windows用户使用Python 安装时勾选path环境变量
  - 安装软件时 发现C盘空间不是很足了 上网搜索出两个清理方法 增加了22G磁盘空间：
    - 1.关闭休眠文件win+Q（搜索）→cmd→管理员身份打开→powercfg -h off
    - 2.清理临时文件win+I（设置）→系统→存储→临时文件→清理（下载栏需注意有无重要文件）

- Python指令
- 输入ipython 指令有高亮 以及其他增强

```
~$ python
Python 3.12.7 | packaged by Anaconda, Inc. | (main, Oct 4 2024, 13:17:27) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> print('hello')
hello
>>> quit()

~$ ipython
Python 3.12.7 | packaged by Anaconda, Inc. | (main, Oct 4 2024, 13:17:27) [MSC v.1929 64 bit (AMD64)]
Type 'copyright', 'credits' or 'license' for more information
IPython 8.27.0 -- An enhanced Interactive Python. Type '?' for help.

In [1]: print('hello')
hello
```

- **pwd** Print Working Directory 打印当前工作目录
- **mkdir** Make Directory 创建目录
- **ls** List 列出当前目录下的文件和子目录
- **cd** Change Directory 切换目录 只按cd回到pc目录
- **code .** 打开 VS Code 编辑器 code xxx（文件/文件夹）
- **cat script1.py** Concatenate（连接）显示文件内容
- **python script1.py** 运行代码（按向上箭头可复制上次指令）

```
pc@DESKTOP-2420A00 MINGW64 ~/repo
$ python script1.py
生成的随机密码是: 4!F[y50,VvT+GTt-


pc@DESKTOP-2420A00 MINGW64 ~/repo
$ python script1.py
生成的随机密码是: wKeupL/7Ry|E{Yd5
```

- 
- 生成SSH 密钥 (公钥-私钥对), 添加到 GitCode 安全设置里
- 公钥用来加密 私钥用来解密
- 教程位置([参考](#))
- 

```
pc@DESKTOP-2420A00 MINGW64 ~
$ ssh -T git@gitcode.com
The authenticity of host 'gitcode.com (116.205.2.91)' can't be established.
RSA key fingerprint is SHA256:aTlsy+4ARMC7nWyy5ekIqUkotk8yv7Jd+XXoP4EXj1Y.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'gitcode.com' (RSA) to the list of known hosts.
remote: Welcome to GitCode, Square7

pc@DESKTOP-2420A00 MINGW64 ~
$ ssh -T git@gitcode.com
remote: Welcome to GitCode, Square7
```

- 
- fork到自己的仓库
- 

 <https://gitcode.com/Square7/week01>

- GIT全局配置 仓库克隆到本地 (repo文件夹中)
- 

```
pc@DESKTOP-2420A00 MINGW64 ~/.ssh
$ git config --global user.name Square7
git config --global user.email Square7@noreply.gitcode.com
```

## Clone



# 请确保本地完成了 Git 的全局配置

```
git config --global user.name Square7  
git config --global user.email Square7@noreply.gitcode.com
```



HTTPS **SSH**

# 使用 SSH 协议时, 请在本地生成 SSH 公钥进行克隆、推送等操作

# 复制项目地址

```
git@gitcode.com:Square7/week01.git
```



# 生成 RSA 密钥

```
ssh-keygen -t rsa -b 2048 -C Square7@noreply.gitcode.com
```



# 查看 RSA 公钥, 并配置到 SSH key 中

```
cat ~/.ssh/id_rsa.pub
```



# 克隆到本地

```
git clone git@gitcode.com:Square7/week01.git
```

