

- VS Code (Visual Studio Code) 是微软开发的开源代码编辑器，支持多种编程语言，具有轻量级、高性能、丰富的扩展功能和强大的调试能力，同时支持跨平台和版本控制，适合个人和团队开发，免费且开源。

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Visual Studio Code documentation

Get familiar with Visual Studio Code and learn how to code faster with AI.

Getting started



Set up Visual Studio Code

Follow the setup guide to install and configure VS Code for your OS.



Getting started

Discover the key features of VS Code with the step-by-step tutorial.



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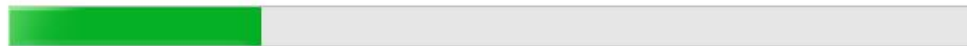
正在安装

安装程序正在安装 Visual Studio Code 到您的电脑中，请稍等。



正在解压缩文件...

C:\Users\admin\AppData\Local\Programs\Microsoft VS Code\Code.exe



- Anaconda 是一个开源的 Python 和 R 编程语言发行版，主要用于科学计算、数据分析和机器学习。它集成了 Python 解释器、conda 包管理器、Anaconda Navigator 图形界面工具，以及超过 7500 个开源包。Anaconda 提供了一站式的解决方案，简化了数据科学和机器学习的工作流程，尤其适合初学者和专业数据科学家
- Git 是一个开源的分布式版本控制系统，可以有效、高速地处理从很小到非常大的项目版本管理。也是 Linus Torvalds 为了帮助管理 Linux 内核开发而开发的一个开放源码的版本控制软件

☒ Use MinTTY (the default terminal of MSYS2)

Git Bash will use MinTTY as terminal emulator, which sports a resizable window, non-rectangular selections and a Unicode font. Windows console programs (such as interactive Python) must be launched via `winpty` to work in MinTTY.

☐ Use Windows' default console window

Git will use the default console window of Windows ("cmd.exe"), which works well with Win32 console programs such as interactive Python or node.js, but has a very limited default scroll-back, needs to be configured to use a Unicode font in order to display non-ASCII characters correctly, and prior to Windows 10 its window was not freely resizable and it only allowed rectangular text selections.

- 在 GitCode 中，您可以通过 SSH（安全外壳协议）公钥实现安全的代码托管和提交操作。SSH 公钥提供了以下优势：

便捷访问：使用 SSH 公钥后，您无需每次操作都输入密码，访问 GitCode 存储库更加高效。

访问控制：您可以将 SSH 公钥与特定存储库关联，灵活管理项目访问权限

```
debug1: rekey out after 134217728 blocks
debug1: SSH2_MSG_NEWKEYS sent
debug1: expecting SSH2_MSG_NEWKEYS
debug1: SSH2_MSG_NEWKEYS received
debug1: rekey in after 134217728 blocks
debug1: SSH2_MSG_EXT_INFO received
debug1: kex_ext_info_client_parse: server-sig-algs=<ssh-ed25519,sk-ssh-ed25519@openssh.com,sk-ecdsa-sha2-nistp256@openssh.com,ecdsa-sha2-nistp256,ecdsa-sha2-nistp384,ecdsa-sha2-nistp521,rsa-sha2-256,rsa-sha2-512,ssh-rsa,ssh-dss>
debug1: SSH2_MSG_SERVICE_ACCEPT received
debug1: Authentications that can continue: publickey
debug1: Next authentication method: publickey
debug1: Will attempt key: /c/Users/admin/.ssh/id_rsa
debug1: Will attempt key: /c/Users/admin/.ssh/id_ecdsa
debug1: Will attempt key: /c/Users/admin/.ssh/id_ecdsa_sk
debug1: Will attempt key: /c/Users/admin/.ssh/id_ed25519 ED25519 SHA256:5+VwGsVyXxGz/iZI7L4Ii1NHxrT58WuIIMPe/kf/r2I
debug1: Will attempt key: /c/Users/admin/.ssh/id_ed25519_sk
debug1: Will attempt key: /c/Users/admin/.ssh/id_xmss
debug1: Trying private key: /c/Users/admin/.ssh/id_rsa
debug1: Trying private key: /c/Users/admin/.ssh/id_ecdsa
debug1: Trying private key: /c/Users/admin/.ssh/id_ecdsa_sk
debug1: Offering public key: /c/Users/admin/.ssh/id_ed25519 ED25519 SHA256:5+VwGsVyXxGz/iZI7L4Ii1NHxrT58WuIIMPe/kf/r2I
debug1: Authentications that can continue: publickey
debug1: Trying private key: /c/Users/admin/.ssh/id_ed25519_sk
debug1: Trying private key: /c/Users/admin/.ssh/id_xmss
debug1: No more authentication methods to try.
git@gitcode.com: Permission denied (publickey).

admin@LAPTOP-05T5IN81 MINGW64 ~
$ ssh -T git@gitcode.com
git@gitcode.com: Permission denied (publickey).
```

在进行任务 5 时，我生成了 ED25519 SSH 密钥，并正确的添加 SSH 公钥到 GitCode，然而运行了“ssh -T git@gitcode.com”命令测试 SSH 连接，却显示“git@gitcode.com: Permission denied (publickey).”。我提供了“ssh -vT git@gitcode.com”的输出日志给 Deepseek 后，Deepseek 认为可能的原因包括：

1. 公钥未正确添加到 GitCode，或者添加的公钥与本地私钥不匹配。
2. GitCode 不支持 ED25519 类型的密钥，需要改用 RSA。
3. SSH 配置文件（~/ssh/config）中没有正确配置 GitCode 使用对应的密钥。
4. 私钥文件权限问题，虽然之前检查过，但在 Windows 环境下可能有特殊情况。
5. ssh-agent 未正确加载私钥，导致认证失败。

然而反复检查后，我认为我已经将公钥正确添加到 GitCode，故我改用了 RSA 类型的密钥，并重新添加到 GitCode，改用 RSA 后终于成功通过 SSH 方式连接到 GitCode