**1.GitHub简介**

Git是一个分布式版本控制系统，与其相对的是CVS、SVN等集中式的版本控制系统。

1. **Git安装**

**runhao@runhao-X550ZE:~$ git --version**

**Command 'git' not found, but can be installed with: sudo apt install git**

**runhao@runhao-X550ZE:~$ sudo apt-get install git**

**[sudo] runhao 的密码：**

**正在读取软件包列表... 完成**

**正在分析软件包的依赖关系树**

**正在读取状态信息... 完成**

**升级了 0 个软件包，新安装了 3 个软件包，要卸载 0 个软件包，有 7 个软件包未被升级。**

**需要下载 4,741 kB 的归档。**

**解压缩后会消耗 34.0 MB 的额外空间。**

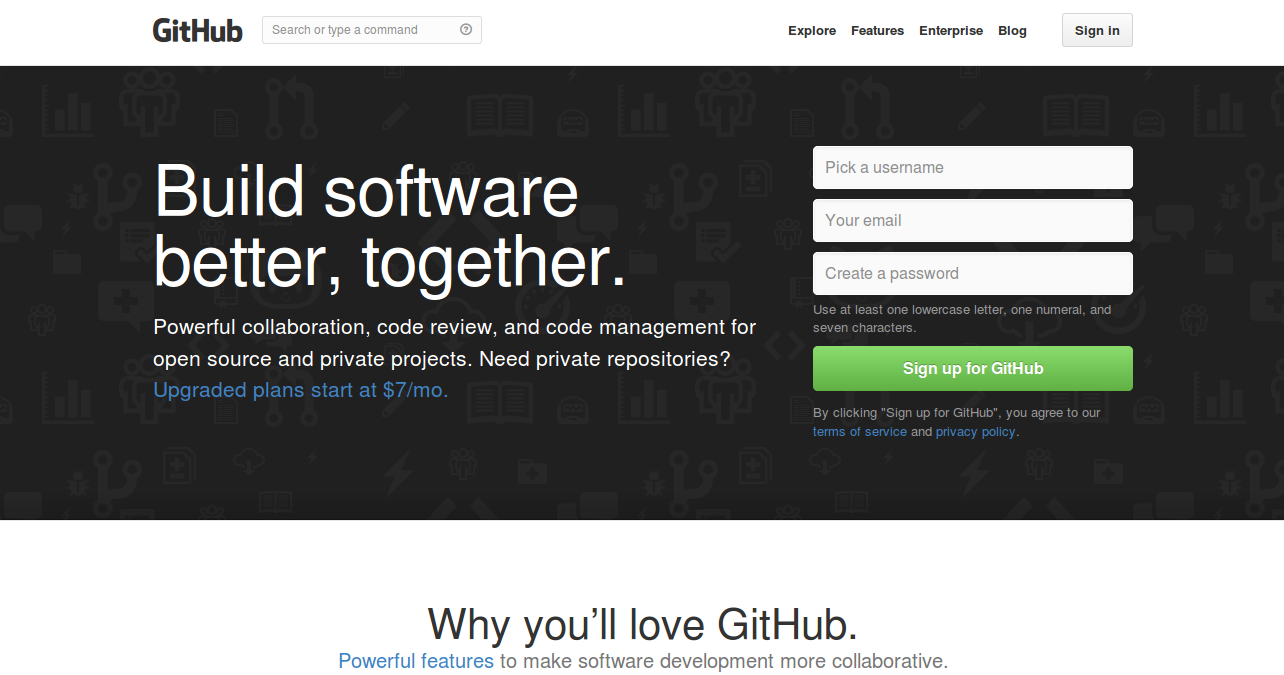
**您希望继续执行吗？ [Y/n] y**

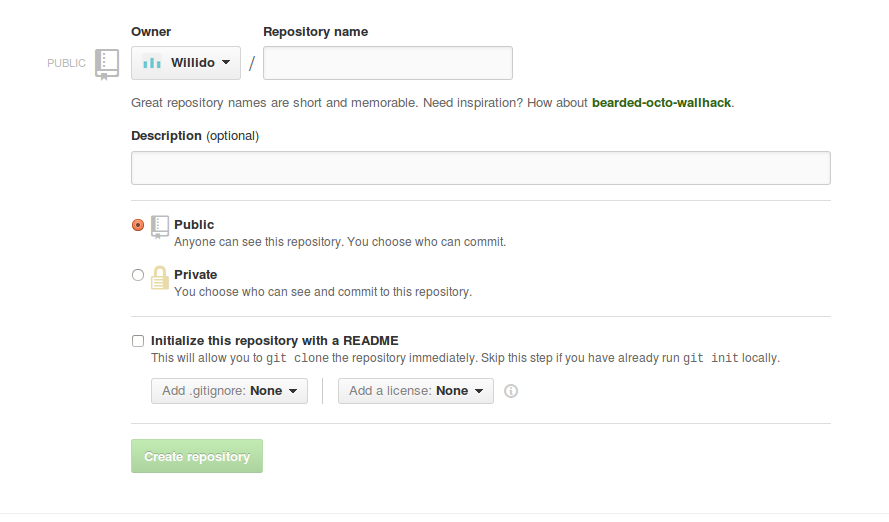
**正在处理用于 man-db (2.8.3-2ubuntu0.1) 的触发器 ...**

**runhao@runhao-X550ZE:~$ git --version**

**git version 2.17.1**

1. **GitHub账号注册**





1. **生成添加公钥**

**runhao@runhao-X550ZE:~$ cd ~/.ssh**

**bash: cd: /home/runhao/.ssh: 没有那个文件或目录**

**runhao@runhao-X550ZE:~$ ssh-keygen -t rsa -C "1549971272@qq.com"**

**Generating public/private rsa key pair.**

**Enter file in which to save the key (/home/runhao/.ssh/id\_rsa):**

**Created directory '/home/runhao/.ssh'.**

**Enter passphrase (empty for no passphrase):**

**Enter same passphrase again:**

**Your identification has been saved in /home/runhao/.ssh/id\_rsa.**

**Your public key has been saved in /home/runhao/.ssh/id\_rsa.pub.**

**The key fingerprint is:**

**SHA256:si9fQZBqWkshk4k5/+SWv1rpNLbwyi18MQ15f4BZVxw 1549971272@qq.com**

**The key's randomart image is:**

**+---[RSA 2048]----+**

**| o o .. Eo|**

**| + = . .. . . .|**

**| o o o ..+ . |**

**| . \* o.+ . |**

**| O.oS+.. . |**

**| . \*oo.... . |**

**| oo.\*o. . |**

**| .+Xo+ |**

**| +BO. |**

**+----[SHA256]-----+**

**runhao@runhao-X550ZE:~/.ssh$ sudo cat id\_rsa.pub**

**ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQDP8kQ5wnuKWnwRm6HRbN+/OI4tVx5EdUMQnkluj8NIMgSKOTBJ7jGYxILBiQg4BTiFylULhM4pcQxoYDra+atr6RyPicAlKc2LmYf2vqJx2AjIO3CyHNU/YUV27tJ6XDVHgnORoM04awXj0+SRKXPS/krLx27AcxDTPBcVmngxt5DtMdGTlFJm0NE7NMzCOVKWUyjwzQTWJ5gGrBUtD2GI4tVYYtTvktG4flmiyjiyGlMpJsyRdZzfdHYJL0RbvkVXLjuY12jqkLilWIUxToiNkVUv+TMG6Jfrs4V1ZVzwbV2CPpmJn8FbFOnK5Uw7wFLbtEylGf9h+SqNABAfh7sZ [1549971272@qq.com](mailto:1549971272@qq.com)**

**runhao@runhao-X550ZE:~$ ssh -T git@github.com**

**The authenticity of host 'github.com (13.250.177.223)' can't be established.**

**RSA key fingerprint is SHA256:nThbg6kXUpJWGl7E1IGOCspRomTxdCARLviKw6E5SY8.**

**Are you sure you want to continue connecting (yes/no)? yes**

**Warning: Permanently added 'github.com,13.250.177.223' (RSA) to the list of known hosts.**

**Hi runhao! You've successfully authenticated, but GitHub does not provide shell access.**

**runhao@runhao-X550ZE:~$ git config --global user.name "runhao"**

**runhao@runhao-X550ZE:~$ git config --global user.email "1549971272@qq.com"**

1. **目录文件上传同步**

**runhao@runhao-X550ZE:~$ mkdir github**

**runhao@runhao-X550ZE:~/github$ git init**

**已初始化空的 Git 仓库于 /home/runhao/github/.git/**

**runhao@runhao-X550ZE:~/github$ git status**

**位于分支 master**

**尚无提交**

**无文件要提交（创建/拷贝文件并使用 "git add" 建立跟踪）**

**runhao@runhao-X550ZE:~/github$ git --bare init**

**已初始化空的 Git 仓库于 /home/runhao/github/**

**runhao@runhao-X550ZE:~/github$ git remote add origin [git@github.com:runhao/github.git](mailto:git@github.com:runhao/github.git)**

**runhao@runhao-X550ZE:~/github$ git add README**

**runhao@runhao-X550ZE:~/github$ git commit -m "for classwork"**

**[master （根提交） 64fdb07] for classwork**

**1 file changed, 0 insertions(+), 0 deletions(-)**

**create mode 100644 README**

**runhao@runhao-X550ZE:~/github/.git$ git push -u origin master**

**对象计数中: 3, 完成.**

**写入对象中: 100% (3/3), 207 bytes | 207.00 KiB/s, 完成.**

**Total 3 (delta 0), reused 0 (delta 0)**

**To github.com:runhao/management.git**

**\* [new branch] master -> master**

**分支 'master' 设置为跟踪来自 'origin' 的远程分支 'master'。**