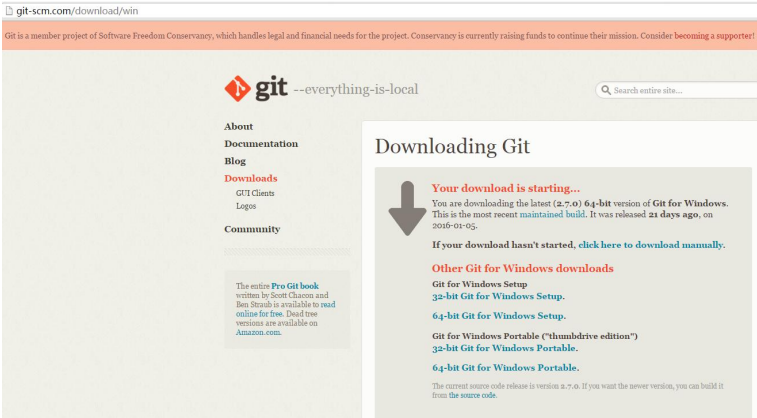


安装 Git 与 TortoiseGit

1、本文操作系统为 win7

安装软件：Git-2.7.0-64-bit.exe 和 TortoiseGit-1.8.16.0-64bit

下载地址：<http://git-scm.com/download/win> 下载页面如图所示



<http://tortoisegit.org/download> 下载页面如图所示



Language Packs

The language packs contain no standalone localized version of TortoiseGit, you need TortoiseGit from above download size of 2-3.5 MB.

Language	Code	Completeness	32 Bit	64 Bit
Bulgarian, Bulgaria	bg_BG	57%	Setup	Setup
Catalan	ca	89%	Setup	Setup
Chinese, simplified	zh_CN	100%	Setup	Setup
Chinese, traditional	zh_TW	99%	Setup	Setup
Czech	cs	100%	Setup	Setup
Dutch, Netherlands	nL_NL	89%	Setup	Setup
Finnish	fi	51%	Setup	Setup
French	fr	99%	Setup	Setup
German	de	100%	Setup	Setup

没用账号的用户可以先在 <http://www.github.com> 上先注册。

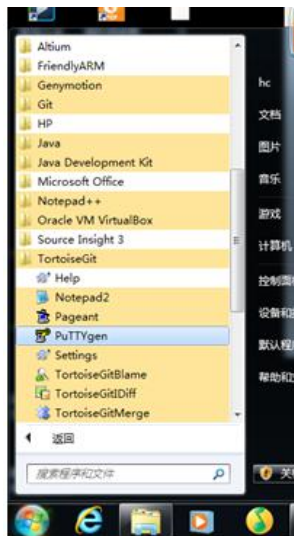
2、安装完成之后可以选择安装中文版 tortoisegit—TortoiseGit-LanguagePack-1.8.16.0-64bit-zh_CN

下载地址：<http://tortoisegit.org/download/>

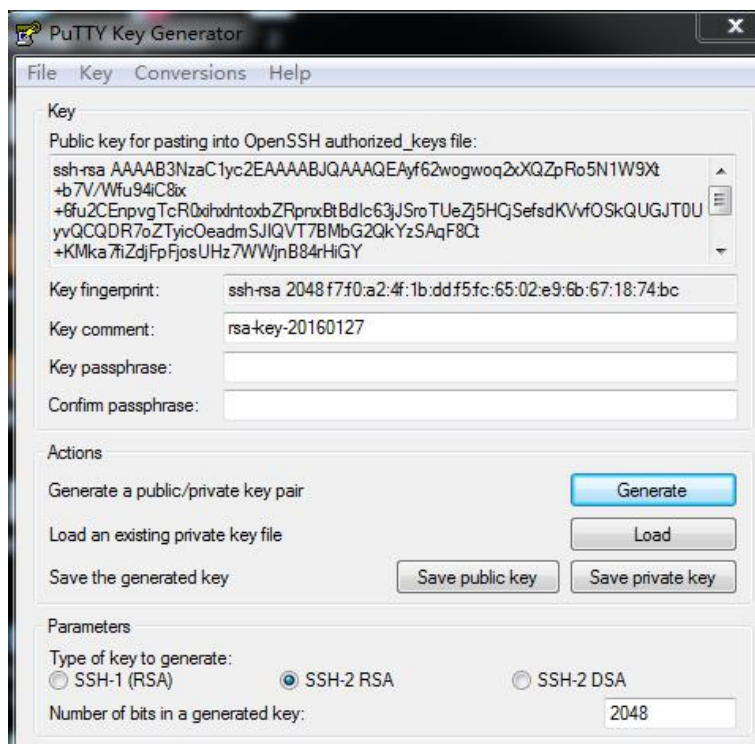
3、添加 SSH 认证

(1) 生成 SSH 秘钥

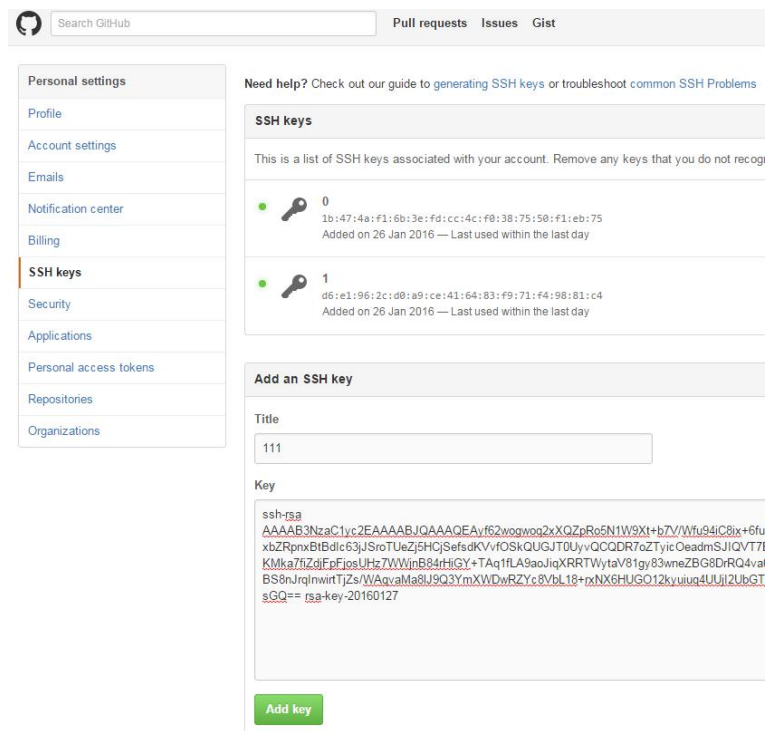
点击电脑菜单->所有服务->tortoisegit->PuTTYgen



点击 Generate

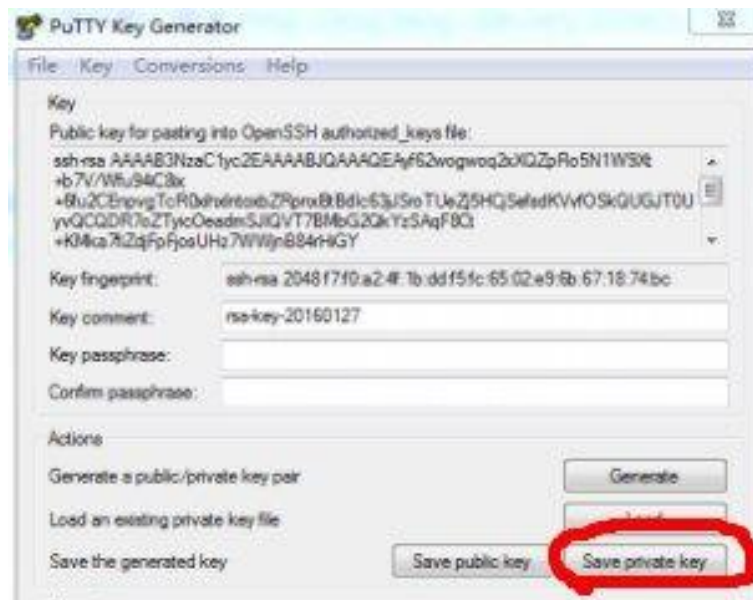


(2) 添加公钥到 github



The screenshot shows the GitHub 'SSH keys' page. On the left is a sidebar with navigation links: Personal settings, Profile, Account settings, Emails, Notification center, Billing, SSH keys (highlighted), Security, Applications, Personal access tokens, Repositories, and Organizations. The main content area has a header 'Need help? Check out our guide to generating SSH keys or troubleshoot common SSH Problems'. Below this is a section titled 'SSH keys' with the text 'This is a list of SSH keys associated with your account. Remove any keys that you do not recognize.' It lists two keys, each with a key icon, a title '111', and a long alphanumeric key string. Below the list is a section 'Add an SSH key' with a 'Title' input field containing '111' and a 'Key' input field containing a long alphanumeric string. At the bottom of the 'Add an SSH key' section is a green 'Add key' button.

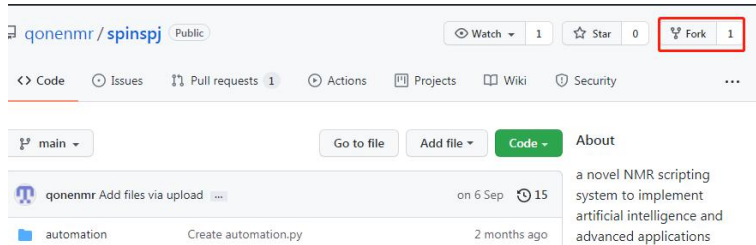
(3) 将私钥保存一份-xx.ppk



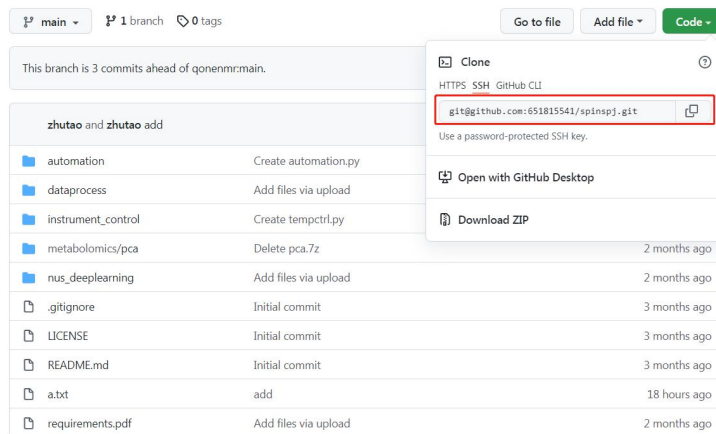
The screenshot shows the PuTTY Key Generator window. The 'Key' section displays the public key for pasting into the OpenSSH authorized_keys file. The 'Key fingerprint' is shown as 'ssh-rsa 2048 f710:a2:4f:1b:dd:f5:fc:65:02:e9:6b:67:18:74:bc'. The 'Key comment' is 'rsa-key-20160127'. The 'Key passphrase' and 'Confirm passphrase' fields are empty. The 'Actions' section has three buttons: 'Generate', 'Load', and 'Save private key'. The 'Save private key' button is circled in red.

贡献代码的步骤

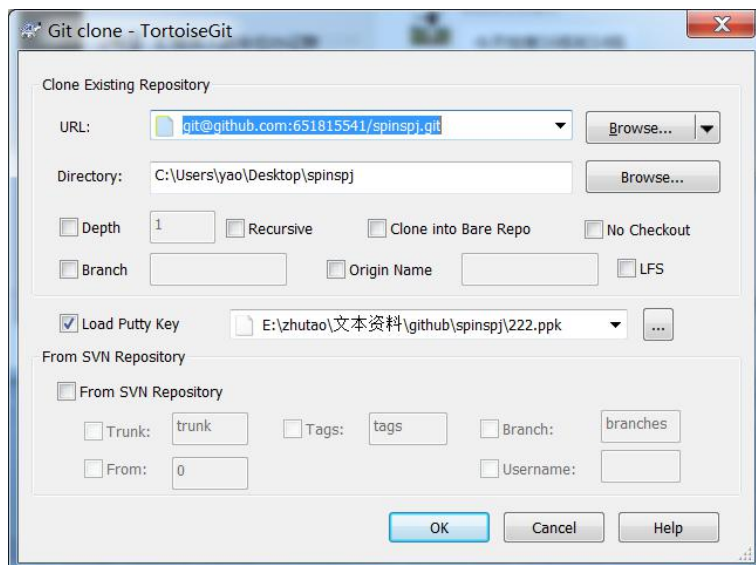
1. **Fork**。在自己的 Github 账号搜索找到 **spinspj**，然后在 **spinspj** 的项目上，点击右上角的 **Fork** 按钮，然后你就得到了当前 **spinspj** 项目的一个拷贝。



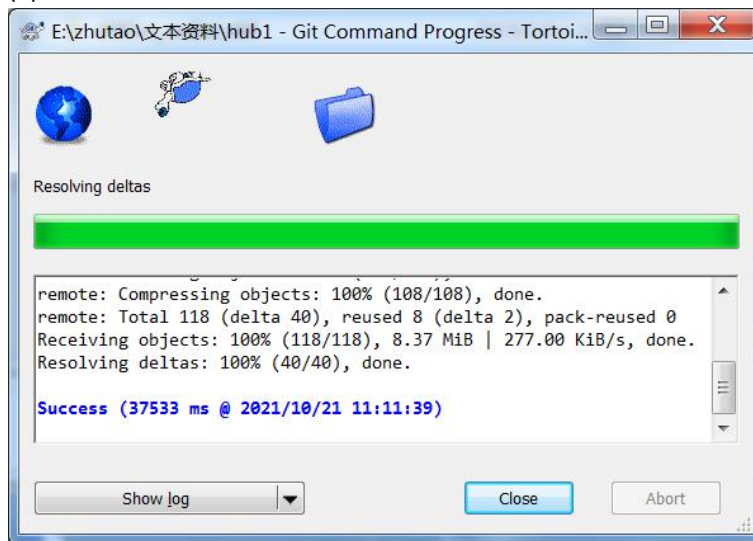
2. **Clone**。因为我们通常在本地上做修改，因此先将 **Fork** 的项目 **Clone** 到本地。
(1) 复制红线圈出的内容。



- (2) 在本地电脑桌面上点击右键—>点击 git clone-->将复制内容粘贴到 URL 中；保存的私钥添加到 Load Putty Key 中。如图所示

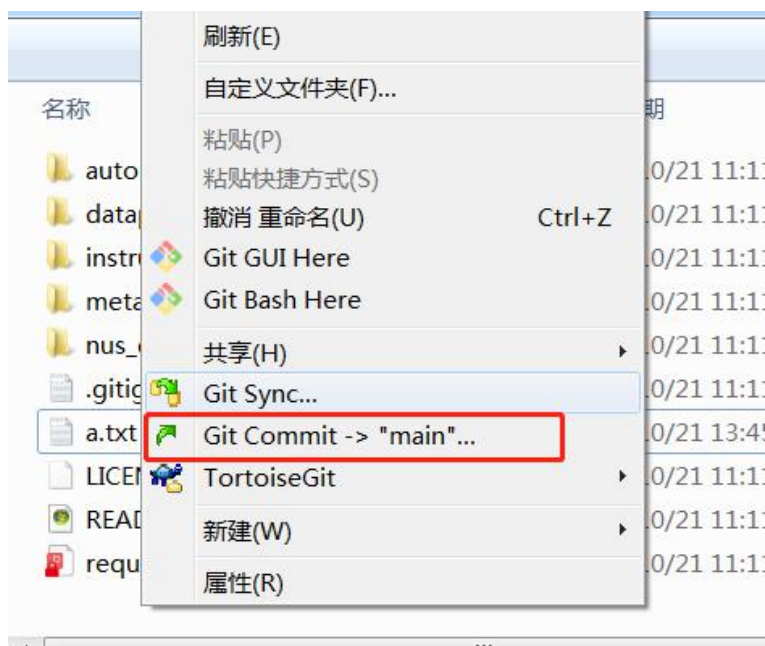


(3) 点击 OK

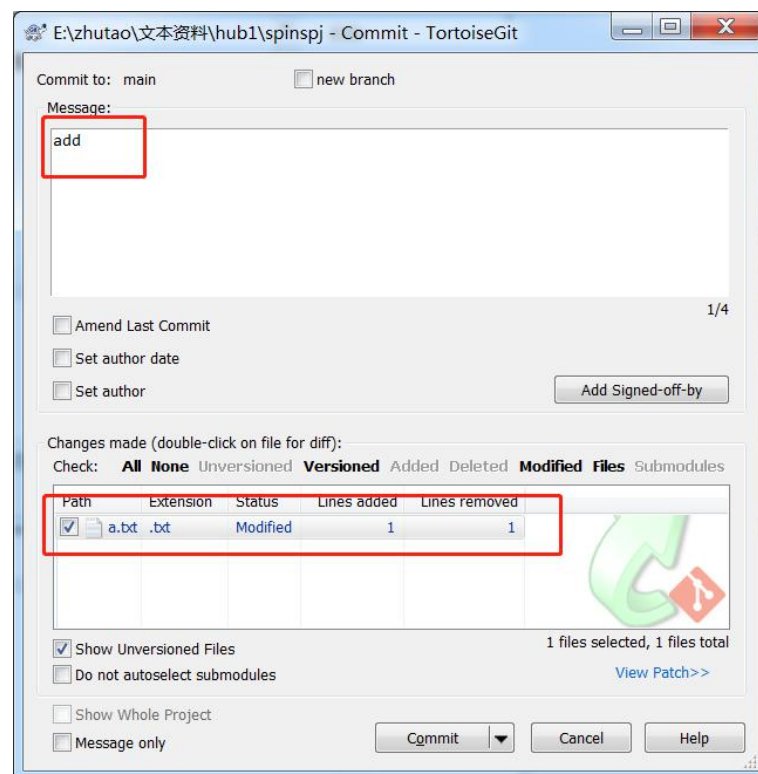


3. 修改完毕后，贡献代码。

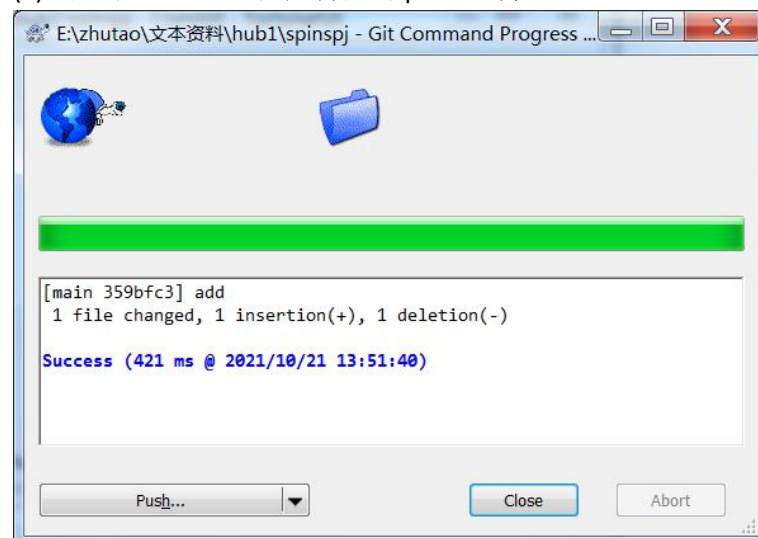
(1) 右键-->点击 Git Commit-> main



(2) 填写描述与勾选修改后的文件



(3) 点击 Commit 然后再点击 push 上传



4. 然后在你 Fork 的项目主页点击 Compare & pull request 按钮即可。如果没有这个按钮，也可以点击 New pull request 按钮来发起，注意选择正确的分支即可。

