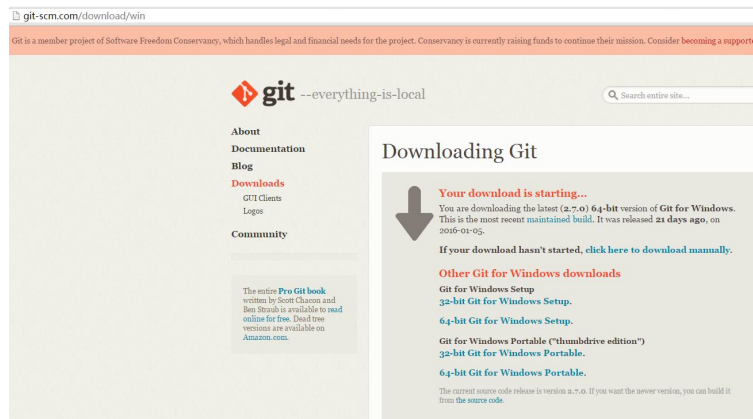


Installing Git and TortoiseGit

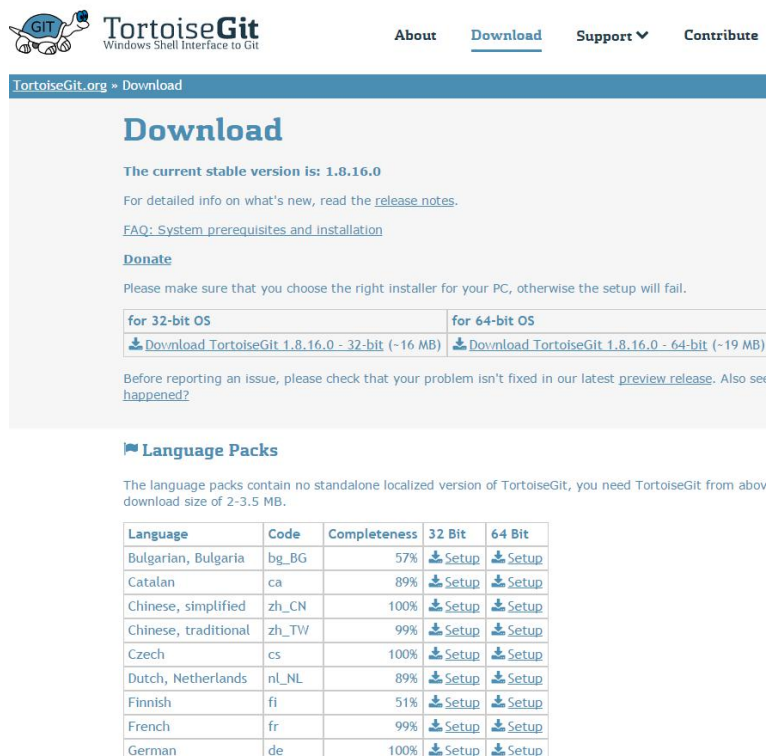
1. The operating system of this paper is win7.

Install software: Git-2.7.0-64-bit.exe and TortoiseGit-1.8.16.0-64bit

Download address: <http://git-scm.com/download/win>



<http://tortoisegit.org/download>



Users without an account can first <http://www.github.com> register first.

2. After installation, you can choose to install the Chinese version
tortoisegit—TortoiseGit-LanguagePack-1.8.16.0-64bit-zh_CN

Download address: <http://tortoisegit.org/download/>

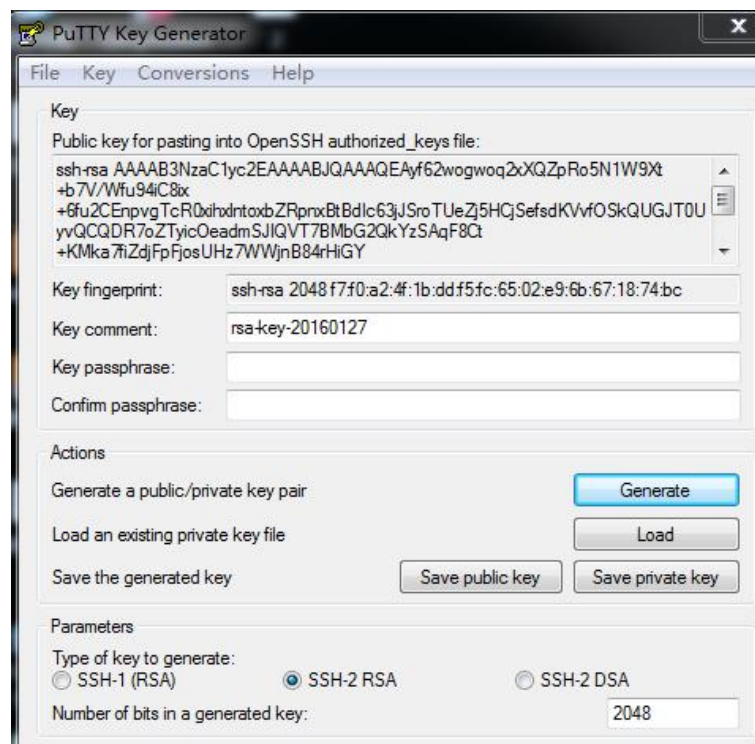
3. Add SSH authentication

(1) Generate SSH

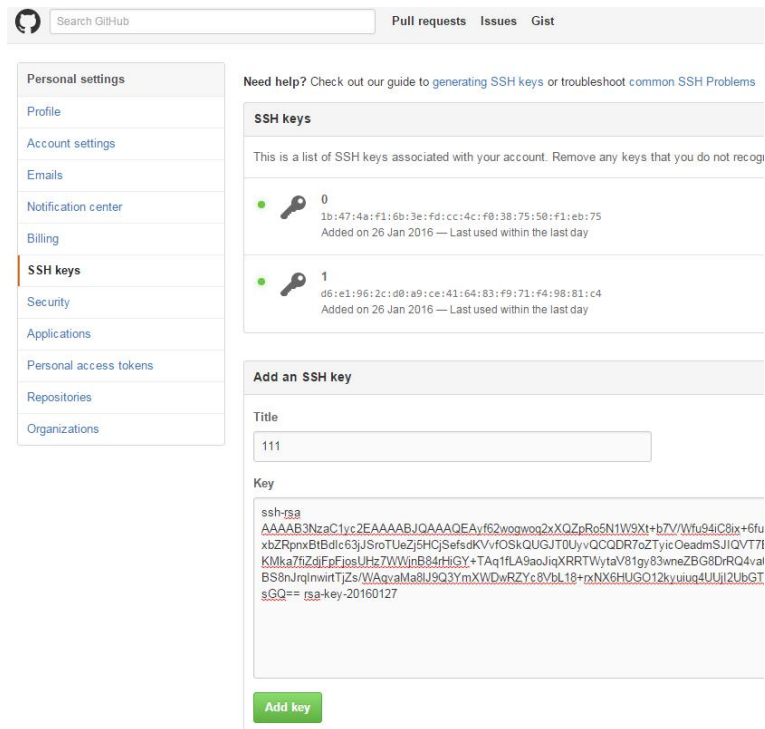
Click the computer menu-->tortoisegit-->PuTTYgen



Click Generate

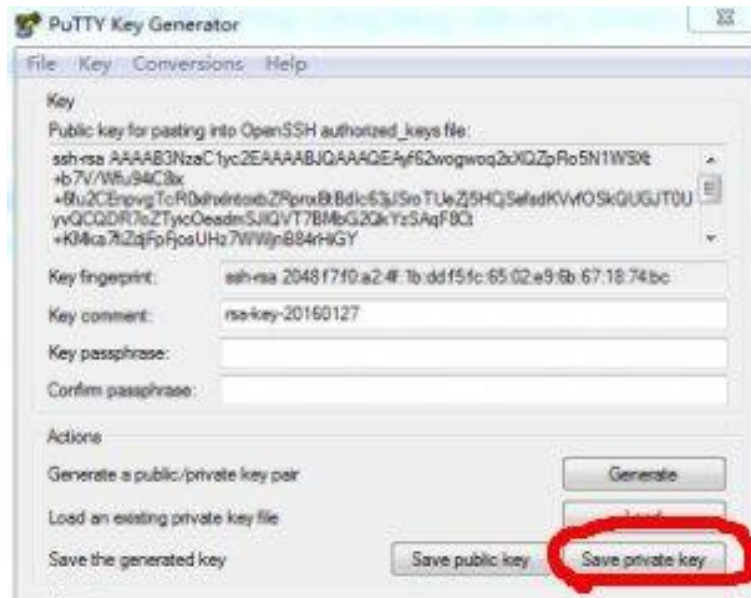


(2) Add SSH key to GitHub



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 a sub-header '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 green dot, a key icon, a number (0 and 1), a long alphanumeric string, and the text 'Added on 26 Jan 2016 — Last used within the last day'. Below the list is a section 'Add an SSH key' with a 'Title' field containing '111' and a 'Key' field containing a long alphanumeric string. At the bottom right of the 'Add an SSH key' section is a green 'Add key' button.

(3) Save private key-----xx.ppk

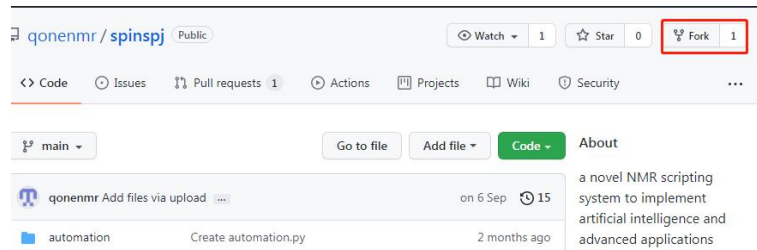


The screenshot shows the PuTTY Key Generator window. The 'Key' section has a 'Public key for pasting into OpenSSH authorized_keys file:' field containing a long alphanumeric string. Below this is a 'Key fingerprint:' field showing 'ssh-rsa 2048 f710:a2:4f:1b:dd:f5:fc:65:02:e9:fb:67:18:74:bc'. The 'Key comment:' field contains 'rsa-key-20160127'. The 'Key passphrase:' and 'Confirm passphrase:' fields are empty. The 'Actions' section has three buttons: 'Generate a public/private key pair', 'Load an existing private key file', and 'Save the generated key'. The 'Save the generated key' button is highlighted with a red circle, and the 'Save private key' sub-button is also highlighted with a red circle.

To contribute code

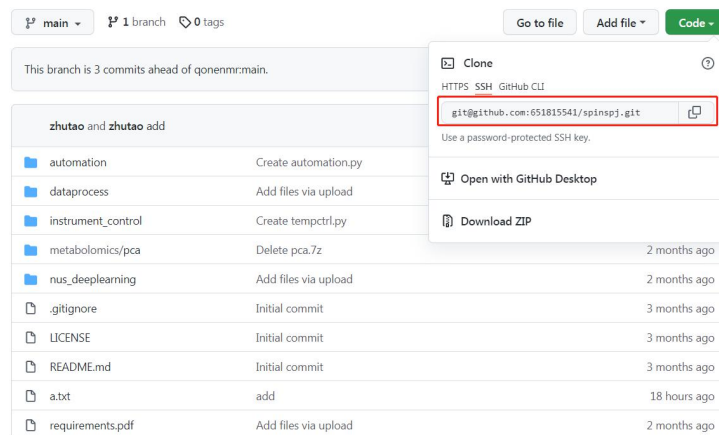
1. Fork.

Search your GitHub account to find spinspj , Then in spinspj On the project, click the fork button in the upper right corner, and then you get the current spinspj A copy of the project.



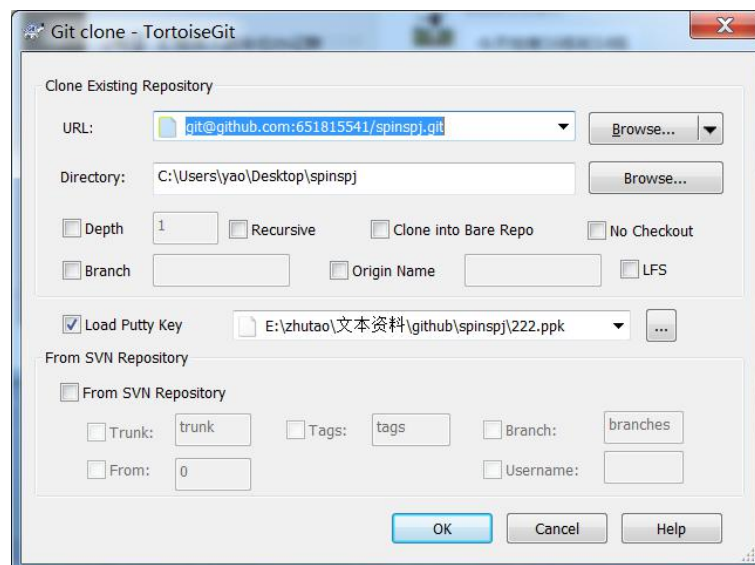
2. Clone. Clone fork's project locally.

(1) Copy the contents circled by the red line.

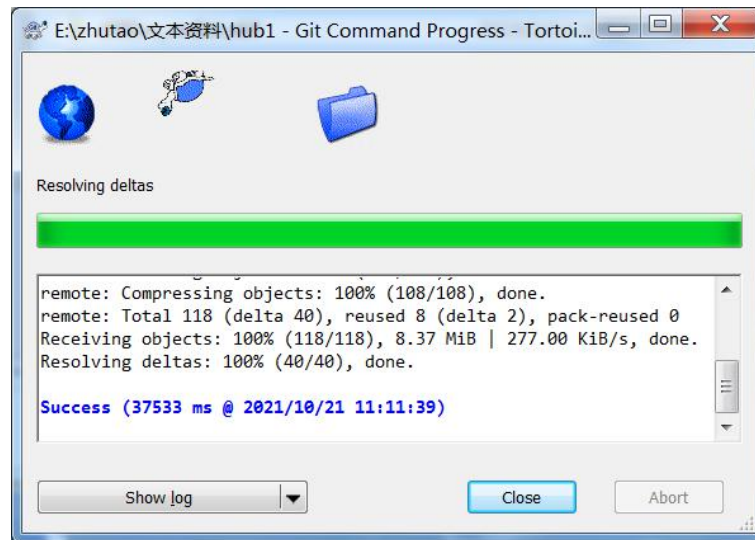


(2) Select the saved folder and right-click—>Select git clone

Paste the copied content into the URL and add the saved private key to Load Putty Key.

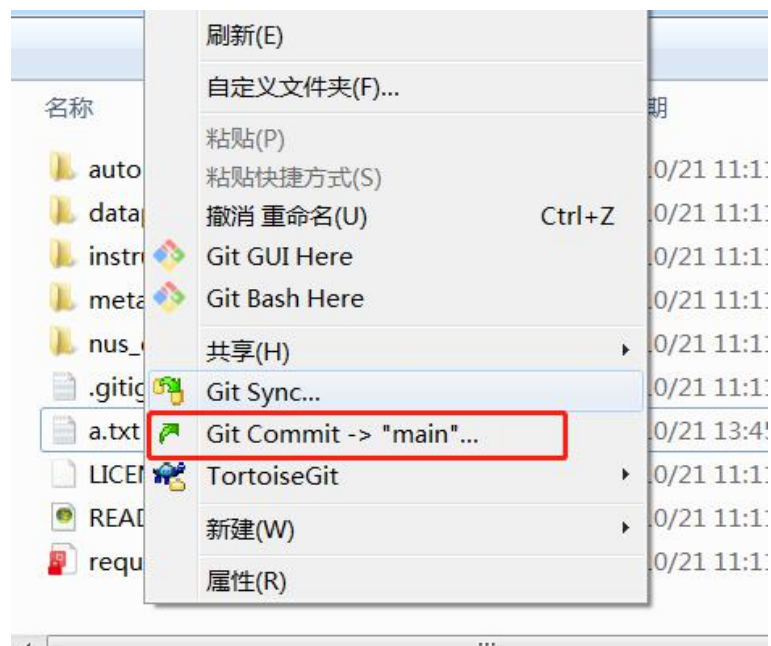


(3) Click OK

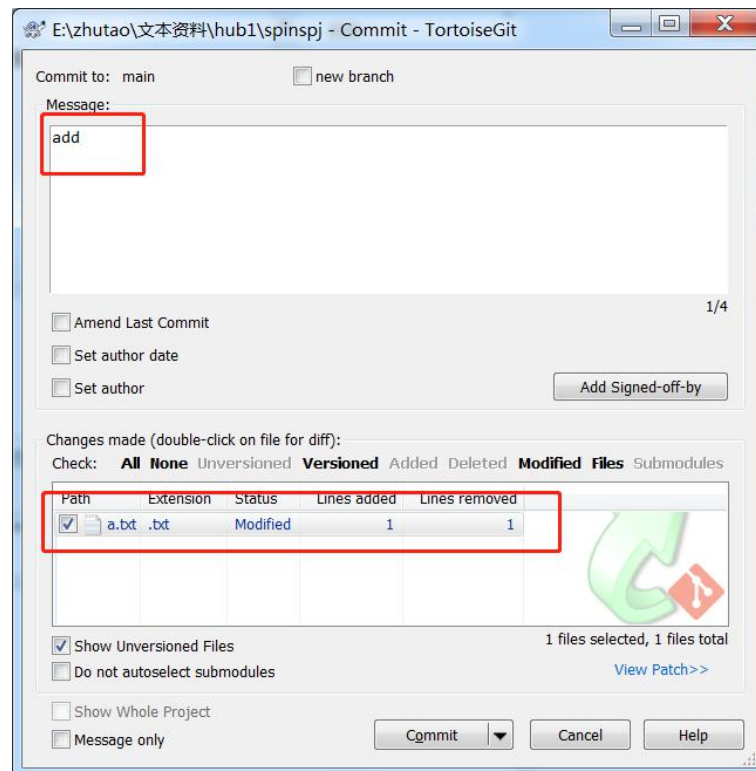


3. After modification, contribute the code.

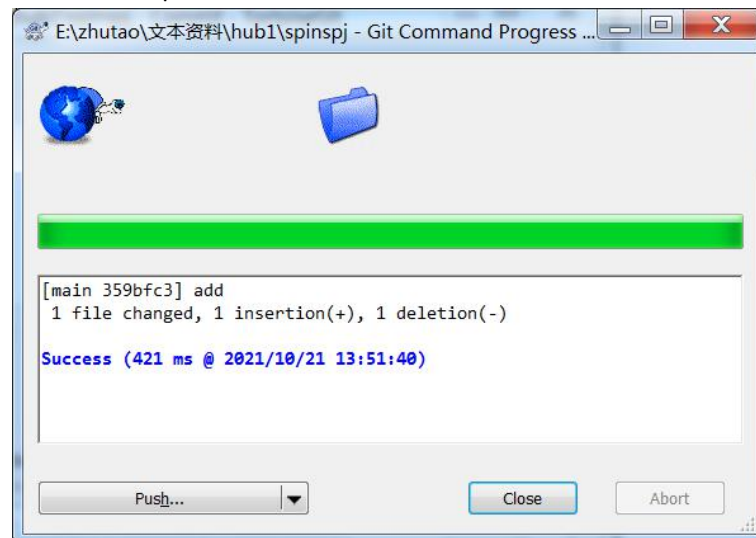
(1) right-click-->Click Git Commit-> main



- (2) Fill in the description and check the modified document.



- (3) Click Commit --->Click push



4. Then click the compare & pull request button on your fork project home page. If you do not have this button, you can also click the new pull request button to initiate. Pay attention to selecting the correct branch.

