1. Git和GitHub简单文字说明

Git是一个开源的分布式版本控制系统，用以有效、高速的处理各种规模的项目版本管理， 它是 Linux 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，后来得到广泛的使用。

GitHub可以托管各种git库，并提供一个web界面，但与其它像 SourceForge或GoogleCode这样的服务不同，GitHub的独特卖点在于从另外一个项目进行分支的简易性。为一个项目贡献代码非常简单：首先点击项目站点的“fork”的按钮，然后将代码检出并将修改加入到刚才分出的代码库中，最後通过内建的“pull request”机制向项目负责人申请代码合并。已经有人将GitHub称为代码玩家的MySpace。

2. 安装Git on Windows

无视Windows……

3. 配置

3.1 检查是否已经存在KEY

|  |  |  |
| --- | --- | --- |
| 1 | $ cd ~/.ssh | |
| 2 | $ ls |

|  |  |  |
| --- | --- | --- |
| 3 | config  id\_rsa  id\_rsa.pub  known\_hosts | |
| 4 | $ mkdir key\_backup |

|  |  |  |
| --- | --- | --- |
| 5 | $ cp id\_rsa\* key\_backup | |
| 6 | $ rm id\_rsa\* |

如果已经存在KEY（id\_rsa, id\_rsa.pub），把他们拷贝到key\_backup目录备份， 因为SSH默认会使用”.ssh”目录下的KEY

3.2 生成SSH KEY

|  |  |
| --- | --- |
| 1 | $ ssh-keygen -t rsa -C "your\_mail\_addr@gmail.com" |
| 2 | Enter file in which to save the key (/home/sylvester/.ssh/id\_rsa): | |

|  |  |  |
| --- | --- | --- |
| 3 | Enter passphrase (empty for no passphrase): | |
| 4 | Enter same passphrase again: |

|  |  |
| --- | --- |
| 5 | Your identification has been saved in /home/sylvester/.ssh/id\_rsa. |
| 6 | Your public key has been saved in /home/sylvester/.ssh/id\_rsa.pub. |

|  |  |
| --- | --- |
| 7 | The key fingerprint is: |
| 8 | e8:ae:60:8f:38:c2:98:1d:6d:84:60:8c:9e:dd:47:81 your\_mail\_addr@gmail.com | |

在这里会要求输入key 目录和 密码，可根据自己的情况输入

3.3 将Public Key 添加到GitHub

打开你的GitHub->SSH Public Key->点击“Add another public key”, 将你的public key（id\_rsa.pub）的内容拷贝到GitHub中

3.4 测试

|  |  |
| --- | --- |
| 1 | $ ssh git@github.com |
| 2 | ERROR: Hi sylvester! You've successfully authenticated, but GitHub does not provide | |

|  |  |
| --- | --- |
| 3 | shell access |
| 4 | Connection to github.com closed. | |

|  |  |
| --- | --- |
| 5 | 成功！！ |

4. 下载你的项目

|  |  |
| --- | --- |
| 1 | $git clone <git://github.com/sylvester/meelisp.git> |

5. 提交变更

5.1 配置

|  |  |
| --- | --- |
| 1 | git config --global user.name "Your Name" |
| 2 | git config --global user.email your\_email@gmail.com | |

5.2 创建Repository

|  |  |  |
| --- | --- | --- |
| 1 | mkdir meelisp | |
| 2 | cd meelisp |

|  |  |
| --- | --- |
| 3 | git init |
| 4 | touch README | |

|  |  |
| --- | --- |
| 5 | git add README |
| 6 | git commit -m 'first commit' | |

|  |  |  |
| --- | --- | --- |
| 7 | git remote add origin git@github.com:your\_name/meelisp.git | |
| 8 | git push origin master |

5.3 提交已经存在的Repository

[view source](http://www.coder4.com/archives/2130#viewSource)

[print](http://www.coder4.com/archives/2130#printSource)[?](http://www.coder4.com/archives/2130#about)

|  |  |
| --- | --- |
| 1 | cd existing\_git\_repo |
| 2 | git remote add origin git@github.com:your\_name/meelisp.git | |

|  |  |
| --- | --- |
| 3 | git push origin master |