Git/Github使用心得

2015年3月20日

23:56

完整地搭建好Git，现在总结一下学习到一些东西。

首先，下载git:

<http://www.runoob.com/manual/git-guide/>

安装教程如下（安装）

<http://www.runoob.com/git/git-install-setup.html>

正常一路Enter，并绑定自己的用户名及使用的邮箱，建议下次绑定Vim作为编辑器，好用。

现在Git已经安装好了，使用过程如下：

计算机生成了可选文字:
|0M I NG W64:/c/lJ ser s/QBoooog I e/ Desktop/g ittest 
Q80000g1e@DESKTOP-VT8F351 MINGw64 
30 Objects/ 
Appoata/ 
Appli cation Datag 
Contacts/ 
Cooki esa 
Desktop/ 
Documents/ 
oads/ 
Favorites/ 
IntelGraphi csProfi es/ 
Links/ 
Local Setti ngsa 
Music/ 
My Documentsa 
Net Hood a 
node_rodul es/ 
NTUSER. DAT 
ntuser . dat. LOGI 
ntuser . dat . LOG2 
NTUSER. DAT{5cca8gc2-d1cc-11e5-8d08-cooaef82335e} . TM . blf 
NTUSER. DAT {5 cca89c2-dicc-11e5-8d08- cooaef82335 e} . TMContai neroooooooooooooooooool 
. regtrans-ms 
NTUSER. DAT {5 cca89c2-dicc-11e5-8d08- cooaef82335 e} . TMContai ner00000000000000000002 
. regtrans-ms 
ntuser. ini 
Pi ctures/ 
Pri n t Hood@ 
Recenta 
Saved Games/ 
Searches/ 
SendTo@ 
emp at esa 
Videos/ 
Q80000g1e@DESKTOP-VT8F351 MING..'64 
S cd Desktop 
Q80000g1e@DESKTOP-VT8F351 MING..'64 
S cd gittest 
Q80000g1e@DESKTOP-VT8F351 MING..'64 
S git init 
—J Desktop 
—J Desktop/gittest 
Initialized empty Git repository in C:/Users/Q80000gIe/Desktop/gittest/.git/ 
Q80000gIe@DESKTOP-VT8F351 MINGW64 —/Desktop/gittest (master) 
Q80000gIe@DESKTOP-VT8F351 MINGU'64 —/Desktop/gittest (master) 
S git clone / path/ to/ repository 
Cloning into 'repository' 
fatal : 
'E: / DevelopSoftware/git/Git/path/to/repository' does not appear to be a g 
it repository 
fatal: Could not read from remote repository. 
Please make sure you have the correct access rights 
and the repository exists. 

计算机生成了可选文字:
|0M I NG W64:/c/lJ ser s/QBoooog I e/ Desktop/g ittest 
Q80000gIe@DESKTOP-VT8F351 1•IINGH'64 —J Desktop/gittest 
S git config --global user. name "Qboooogle" 
Q80000gIe@DESKTOP-VT8F351 1•IINGH'64 —J Desktop/gittest 
S git config --globar user. enail 1432500814@qq.com 
error: unknown option globar' 
usage: git config 
(master) 
(master) 
Config file location 
- -global 
- -system 
-- local 
--file efile> 
--blob 
Action 
- -get 
-get-all 
- -get - r egexp 
-get-urlmatch 
--replace-all 
x] 
-unset 
-unset-all 
-rename-section 
-renove-section 
-- list 
-e, --edit 
-get-color 
- -get-color bool 
Type 
-bool -or-i nt 
-path 
Ot her 
--null 
-name-only 
-i udes 
use global config file 
use system config file 
use repository config file 
use given config file 
read config from given blob object 
get value: name (value-regex] 
get all values: key (value-regex] 
get values for regexp: name-regex (value-regex] 
get value specific for the URL: sectionC. var] URL 
replace all matching variables: name value (value_rege 
add a new variable: name value 
remove a variable: name (value-regex] 
remove all matches: name (value-regex] 
rename section: old-name new-name 
remove a section: name 
list all 
open an editor 
find the 
find the 
value is 
value is 
value is 
value is 
color configured: slot [default] 
color setting: slot Cstdout-is-tty] 
"true" or "false" 
decimal number 
-bool or - 
a path (file or directory name) 
terminate values with NUL byte 
show variable names only 
respect include directives on lookup 
Q80000gIe@DESKTOP-VT8F351 1•IINGH'64 —J Desktop/gittest 
S git config --global user. enail 1432500814@qq. com 
Q80000gIe@DESKTOP-VT8F351 MINGa'64 —/Desktop/gittest 
S git config --global core. editor emacs 
Q80000gIe@DESKTOP-VT8F351 1•IINGH'64 —J Desktop/gittest 
S git config --global merge. tool vimdiff 
Q80000gIe@DESKTOP-VT8F351 MING."64 —/Desktop/gittest 
S git config -- list 
core. syml inks=false 
core. autocrlf=true 
color . diff—auto 
color . status=auto 
color . branch=auto 
(master) 
(master) 
(master) 
(master) 

计算机生成了可选文字:
|0MINGW64:/c/Users/QBoooogle/Desktop/gittest 
co;or. branch=auto 
color . interactive=true 
hel p. format—html 
http. s s -I cai nfo=E : / DevelopSoftware/git/Git/mi ngw64/ss / certs/ca-bundl e. crt 
diff. astextplain . textconv=astextplain 
rebase. autosquash=true 
credential . hel per=manager 
user . name=QboooogI e 
user . com 
core. editor=emacs 
merge. 
core. r epos i toryformatversion=o 
core. fi -I emode=fal se 
core. bare=false 
core. logal Irefupdates=true 
core. syml inks—false 
core. ignorecase=true 
cor e. h idedotfi es=dotGitOn Iy 
Q80000g1e@DESKTOP-VT8F351 MING..'64 
S emacs 
bash: emacs: conmand not found 
Q80000g1e@DESKTOP-VT8F351 MING..'64 
S git emacs 
git: 'enacs' is not a git conmand. 
Did you mean this? 
r epack 
Q80000g1e@DESKTOP-VT8F351 MING..'64 
S git init 
—J Desktop/gittest 
—J Desktop/gittest 
See 'git --help'. 
—J Desktop/gittest 
(master) 
(master) 
(master) 
Reinitialized existing Git repository in C:/Users/Q80000gIe/Desktop/gittest/.git 
Q80000gIe@DESKTOP-VT8F351 MINGW64 —/Desktop/gittest (master) 
S git init newrepo 
Initialized empty Git repository in C:/Users/Q80000gIe/Desktop/gittest/newrepo/. 
git/ 
Q80000gIe@DESKTOP-VT8F351 MINGW64 —/Desktop/gittest (master) 
S git add . ./webtest 
fatal: . ./webtest: 
/webtest' is outside repository 
Q80000gIe@DESKTOP-VT8F351 MINGW64 —/Desktop/gittest 
S git add newgit 
fatal: pathspec 'newgit' did not match any files 
Q80000gIe@DESKTOP-VT8F351 MINGW64 —/Desktop/gittest 
S git add 2newgit 
fatal: pathspec 
'2newgit' did not match any files 
Q80000gIe@DESKTOP-VT8F351 MINGW64 —/Desktop/gittest 
S git add / newgit 
(master) 
(master) 
(master) 
fatal: E: / DevelopSoftware/git/Git/newgit: 
'E: / DevelopSoftware/git/Git/newgit' •s 
outside repository 
Q80000gIe@DESKTOP-VT8F351 1•IINGH'64 —J Desktop/gittest (master) 
S git clone git ://github. com/schacon/grit 
Cloning into 'grit'. 
remote: Counting objects: 4051, done. 

计算机生成了可选文字:
|0S git add /newgit 
fatal: E: / DevelopSoftware/git/Git/newgit: 
'E: / DevelopSoftware/git/Git/newgit' •s 
outside repository 
Q80000gIe@DESKTOP-VT8F351 1•IINGH'64 —J Desktop/gittest (master) 
S git clone git ://github. com/schacon/grit 
Cloning into 'grit'. 
remote: Counting objects: 4051, done. 
remote: Total 4051 (delta O), reused O (delta O), pack-reused 4051 
Receiving objects: 100% (4051/4051), 2.30 Mia 325. 
Resolving deltas: 100% (1148/1148), done. 
Checking connectivity... done. 
Checking out files: 100% (1384/1384), done. 
Q80000g1e@DESKTOP-VT8F351 MING..'64 
S git clone ./Webtest> 
bash: syntax error near unexpected 
Q80000g1e@DESKTOP-VT8F351 MING..'64 
S git clone 
bash: syntax error near unexpected 
Q80000g1e@DESKTOP-VT8F351 MING..'64 
S git clone grit Webtest 
Cloning into 'Webtest'. 
done. 
—J Desktop/gittest 
token < ' 
—J Desktop/gittest 
token < ' 
—J Desktop/gittest 
Checking out files: 100% (1384/1384), done. 
Q80000g1e@DESKTOP-VT8F351 MING..'64 
S git status -s 
A gitsignin 
Q80000g1e@DESKTOP-VT8F351 MING..'64 
S git convnit -m ' 
Q80000g1e@DESKTOP-VT8F351 MING..'64 
S git status -s 
A gitsignin 
Q80000g1e@DESKTOP-VT8F351 MING..'64 
Q80000g1e@DESKTOP-VT8F351 MING..'64 
S git commit -m 
[master f760d78] 
I file changed, I insertion(+) 
create mode 160000 gitsignin 
Q80000g1e@DESKTOP-VT8F351 MING..'64 
S git status 
On branch master 
—J Desktop/gittest 
—J Desktop/gittest 
—J Desktop/gittest 
—J Desktop/gittest 
—J Desktop/gittest 
—J Desktop/gittest 
nothing to conunit, working directory clean 
Q80000g1e@DESKTOP-VT8F351 MING..'64 
g its ignin/ grit/ newrepo/ 
Q80000g1e@DESKTOP-VT8F351 MING..'64 
S git branch 
master 
—J Desktop/gittest 
—J Desktop/gittest 
00 Ki8/s, done. 
(master) 
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计算机生成了可选文字:
|0Q80000gIe@DESKTOP-VT8F351 MING."64 —J Desktop/gittest 
S git log 
conunit f760d783a328d6f5abcc7ff7be7bfab63cOc218f 
Author : 
Date: 
Qboooogl e •4432500814@qq.com:• 
sun Mar 20 2016 +0800 
commit 3ac7a3b91aac739eb775e5b9f961127cb2f650c3 
Author : 
Date: 
Qboooogl e •4432500814@qq.com:• 
sun Mar 20 2016 +0800 
Q80000gIe@DESKTOP-VT8F351 MING."64 —/Desktop/gittest 
S git tag -a VI. O 
(master) 
(master) 
error: cannot spawn emacs: No such file or directory 
error: unable to start editor 'emacs' 
Please supply the message using either -m or -F option. 
Q80000gIe@DESKTOP-VT8F351 MING."64 —/Desktop/gittest 
(master) 
S git ststus -s 
git: 
'ststus' is not a git conmand. See 'git --help'. 
Did you mean this? 
status 
Q80000g1e@DESKTOP-VT8F351 MING..'64 
S git status -s 
Q80000g1e@DESKTOP-VT8F351 MING..'64 
S git status -s 
Q80000g1e@DESKTOP-VT8F351 
—J Desktop/gittest 
—J Desktop/gittest 
—J Desktop/gittest 
(master) 
(master) 
(master) 
S ssh-keygen -t rsa -c "1432500814@qq. com" 
00 many arguments. 
usage: ssh-keygen 
ssh-keygen 
ssh-keygen 
ssh-keygen 
ssh-keygen 
ssh-keygen 
ssh-keygen 
ssh-keygen 
ssh-keygen 
ssh-keygen 
ssh-keygen 
ssh-keygen 
ssh-keygen 
ssh-keygen 
ssh-keygen 
ssh-keygen 
ssh-keygen 
ssh-keygen 
ssh-keygen 
ssh-keygen 
C-q] E-b bits] E-t dsa ecdsa ed25519 rsa rsal] 
C-N new_passphrase] E-C conment] C-f output_keyfi -I e) 
p L-P old_passphrase] C-N new_passphrase] C-f key-file] 
C-m key_format] C-f input_keyfi I e] 
e C-m key_format] C-f input_keyfile] 
C-f input_keyfile] 
-Y 
L-P passphrase] E-C conment] C-f key-file] 
C-v] C-E fingerprint_hash] C-f input_keyfile] 
8 C-f input_keyfile] 
D pkcsII 
F hostname C-f 
R hostname C-f 
hostname C-f input_keyfi I e] C-g] 
output _ file C-v] C-b bits] C-M menory] C-S start_poi nt] 
-G 
output _ file -f input _ file C-v] C-a rounds] num_lines] 
C-j start _ line] C-K checkpt] C-W generator] 
-s ca_key -I certificate_identity C-h] C-n principals] 
[-0 option] C-V validity_interval] C-z serial_number] file . 
-L C-f input_keyfile] 
-A 
-k -f krl_file C-u] C-s ca_public] C-z version_number] 
file . 
-Q -f krl_file file . 

计算机生成了可选文字:
|0MINGW64:/c/Users/QBoooogle/Desktop/gittest 
Q80000gIe@DESKTOP-VT8F351 1•IINGH'64 —J Desktop/gittest (master) 
S ssh-keygen -t rsa -C "1432500814@qq. com" 
Generating public/private rsa key pair. 
Enter file in which to save the key (/c/Llsers/Q80000gIe/.ssh/id_rsa): 
Created directory '/c/Users/Q80000gIe/. ssh'. 
Enter passphrase (empty for no passphrase): 
Enter same passphrase again: 
Your identification has been saved in /c/Llsers/Q80000gIe/. ssh/id_rsa. 
Your public key has been saved in /c/Llsers/Q80000gIe/.ssh/id_rsa. pub. 
The key fingerprint is: 
SHA256:1Wjp1T6F2Ebyæj/rVqQDc481xonh11Xrogyu01Jnqk 1432500814aqq. com 
The key's randomart image is: 
+---CRSA 2048]- 
020*-80 
2.0001 
+ +08.0 
- CSHA256] 
Q80000gIe@DESKTOP-VT8F351 MING."64 —/Desktop/gittest (master) 
S ssh -T git@github.com 
The authenticity of host 'github.com (192. 30. 252.131)' can't be established. 
RSA key fingerprint is SHA256:nThbg6kXUpJWG17E11GocspRomTxdCARLviKw6E5SY8. 
Are you sure you want to continue connecting (yes/no)? y 
Please type 'yes' or 'no' : yes 
Warning: Permanently added 'github. com,192.30. 252.131' (RSA) to the list of know 
n hosts. 
Hi Qboooogle! You 've successfully authenticated, but GitHub does not provide she 
access. 
Q80000gIe@DESKTOP-VT8F351 MING."64 —/Desktop/gittest (master) 
g its ignin/ grit/ newrepo/ 
Q80000gIe@DESKTOP-VT8F351 MINGa'64 —/Desktop/gittest (master) 
S git remote add origin gitagithub. com:QboooogIe/GitLocaI.git 
Q80000gIe@DESKTOP-VT8F351 MING."64 —/Desktop/gittest (master) 
S git push -u origin master 
Counting objects: 4, done. 
Delta compression using up to 4 threads. 
Compressing objects: 100% (3/3), done. 
Writing objects: 100% (4/4), 476 bytes O bytes/s, done. 
Total 4 (delta O), 
reused O (delta O) 
To git@github. com:QboooogIe/GitLocaI . git 
[new branch] 
master master 
Branch master set 
up to track remote branch master from origin. 
VT8F351 MING.•.'64 —/Desktop/gittest (master) 
Q80000g e@DESKTOP- 
S git remote 
origin 
VT8F351 MING.•.'64 —/Desktop/gittest (master) 
Q80000g e@DESKTOP- 
S git remote -v 
origin gitagithub. com:QboooogIe/GitLocaI . git (fetch) 

计算机生成了可选文字:
|0. iciLlsers 
S git push -u origin master 
Counting objects: 4, done. 
Delta compression using up to 4 threads. 
Compressing objects: 100% (3/3), done. 
Writing objects: 100% (4/4), 476 bytes O bytes/s, done. 
Total 4 (delta O), 
reused O (delta O) 
To git@github. com:QboooogIe/GitLocaI . git 
[new branch] 
master master 
Branch master set 
up to track remote branch master from origin. 
VT8F351 MINGW64 —/Desktop/gittest (master) 
Q80000g e@DESKTOP- 
S git remote 
origin 
VT8F351 MINGW64 —/Desktop/gittest (master) 
Q80000g e@DESKTOP- 
S git remote -v 
origin gitagithub. com:QboooogI e/GitLocaI . git (fetch) 
origin gitagithub. com:QboooogI e/GitLocaI . git (push) 
Q80000gIe@DESKTOP-VT8F351 MINGW64 —/Desktop/gittest (master) 
S git fetch origin 
Warning: Permanently added the RSA host key for IP address '192. 30. 252.128' 
list of known hosts. 
remote: Counting objects: 3, done. 
remote: Compressing objects: 100% (3/3), done. 
remote: Total 3 (delta O), reused O (delta O), pack-reused O 
Unpacking objects: 100% (3/3), done. 
From github. com:QboooogIe/GitLocaI 
f760d78.. 2855842 master 
origin/master 
Q80000gIe@DESKTOP-VT8F351 MINGW64 —/Desktop/gittest 
S git merge origin/master 
updating f760d78.. 2855842 
Fast-forward 
REAWE.md 3 
I file changed, 3 insertions(+) 
create mode 100644 REAWE.md 
to the 
Q80000g e@DESKTOP- 
gitsignin/ grit/ 
Q80000g e@DESKTOP- 
S rm newrepo 
rm: cannot remove 
Q80000g e@DESKTOP- 
gitsignin/ grit/ 
Q80000g e@DESKTOP- 
S git status -s 
VT8F351 MINGW64 —/Desktop/gittest 
newrepo/ REAWE.md 
VT8F351 MING..'64 
'newrepo': Is a 
VT8F351 MING..'64 
REAWE. md 
VT8F351 MING..'64 
—J Desktop/gittest 
di r ectory 
—J Desktop/gittest 
—J Desktop/gittest 
(master) 
(master) 
(master) 
(master) 
(master) 

创建了，一个本地的Git仓库，目前在桌面/gittest/下，我把需要提交托管的项目放到这里后， 就可以使用git进行托管了，有三种状态，一是本地未提交之前（草稿），然后通过add加到缓存中，再通过commit上传到git进行管理，期间我可以进行修改，撤回等。也可直接将本地交到git.

然后将git与github连接起来，可以把github上的项目下载到本地，或是将本地项目提交到github，同时可以使用git更新本地（在github上可能被被人更新），所以可以方便地进行了管理。

与github连接时，需要将ssh key从本地拷贝到github账户设置中新建的仓库中，如下图：

计算机生成了可选文字:
|0C 
GitHub, Inc. [US] https://github.com/settings/keys 
O 
O 
Search GitHub 
Personal settings 
P rofile 
Account 
Emails 
Notifications 
Billing 
SS H keys 
Security 
OAuth applications 
Personal access tokens 
Repositories 
Organizations 
Pull requests 
Issues 
Gist 
SSH keys 
This is a list of SSH keys associated with your account. Remove any keys that you do not recognize. 
SSF-ÉI 
SSF-ÉI 
ssh-first 
Fingerprint: 0b: 
Added on 2 Oct 2015 — Last used within the last 6 months 
GitHub Desktop - WIN-GDFK4FJTOQG 
Fingerprint: 15:f2: 51 
Added on 6 Oct 2015 — Never used 
Cloud9 IDE 
Fingerprint: 03: 32 : 5c bl:5a 
Added on 17 Mar 2016 by Cloud9 — Last used within the last 4 days 
Fingerprint: cd: 71 c4:2e 
Added on 20 Mar 2016 — Last used within the last day 
New S SH key 
Delete 
Delete 
Delete 
Delete 
O Check out our 
tin SSH keys or troubleshoo 
roblems. 

现在就很方便地进行项目的编写了。

以上！