git使用总结

2021年4月21日 19:00

1.安装完git以后,打开gitbash,鼠标右键可以看到。

```
2.安装完成后,还需要最后一步设置,在命令行输入:
git config --global user.name "Your Name"
git config --global user.email "email@example.com"
注意空格!
kzjaha@LAPTOP-82FVV3QI MINGW64 ~/Desktop
$ git config --global user.name "
kzjaha@LAPTOP-82FVV3QI MINGW64 ~/Desktop
$ git config --global user.email "
```

3.创建版本库(目录):

mkdir learngit cd learngit pwd

/Users/michael/learngit

pwd命令用于显示当前目录。这个仓库位于/Users/michael/learngit。

注意: Windows系统下目录不要含中文名;

然后, 通过git init命令把这个目录变成Git可以管理的仓库:

git init

Initialized empty Git repository in /Users/michael/learngit/.git/

```
kzjaha@LAPTOP-82FVV3QI MINGW64 ~/Desktop/test (master)
$ mkdir learngit
kzjaha@LAPTOP-82FVV3QI MINGW64 ~/Desktop/test (master)
$ cd learngit
kzjaha@LAPTOP-82FVV3QI MINGW64 ~/Desktop/test/learngit (master)
$ pwd
/c/Users/kzjaha/Desktop/test/learngit
kzjaha@LAPTOP-82FVV3QI MINGW64 ~/Desktop/test/learngit (master)
$ git init
Initialized empty Git repository in C:/Users/kzjaha/Desktop/test/learngit/.git/
```

4. 先在上面建立的仓库目录下用notepad++写一个.txt文件,然后再git上操作。

第一步, 用命令git add告诉Git, 把文件添加到仓库:

\$ git add readme.txt

执行上面的命令,没有任何显示,这就对了,Unix的哲学是"没有消息就是好消息",说明添加成功。

第二步,用命令git commit告诉Git, 把文件提交到仓库:

git commit -m "wrote a readme file"

```
[master (root-commit) eaadf4e] wrote a readme file
1 file changed, 2 insertions(+)
create mode 100644 readme.txt

kzjaha@LAPTOP-82FVV3QI MINGW64 ~/Desktop/test/learngit (master)
$ git add readme.txt

kzjaha@LAPTOP-82FVV3QI MINGW64 ~/Desktop/test/learngit (master)
$ git commit -m"这是测试"
[master de09f4f] 这是测试
1 file changed, 2 insertions(+)
```

在我提交的时候没出现最后一句,不知道为什么,但明显已经提交成功了。

-m后面写的是解释,可以写任何东西,最好是解释,读起来方便。

git commit命令执行成功后会告诉你,1 file changed: 1个文件被改动(我们新添加的readme.txt文件);2 insertions: 插入了两行内容(readme.txt有两行内容)。

为什么Git添加文件需要 add , commit 一共两步呢? 因为 commit 可以一次提交很多文件, 所以你可以多次 add 不同的文件, 比如:

```
$ git add file1.txt
$ git add file2.txt file3.txt
$ git commit -m "add 3 files."
```

5.git status命令可以让我们时刻掌握仓库当前的状态,上面的命令输出告诉我们,readme.txt被修改过了,但还没有准备提交的修改。

```
还没有准备提交的修改。
git status
On branch master
Changes not staged for commit:
 (use "git add <file>..." to update what will be committed)
(use "git checkout -- <file>..." to discard changes in working directory)
modified: readme.txt
no changes added to commit (use "git add" and/or "git commit -a")
虽然Git告诉我们readme.txt被修改了,但如果能看看具体修改了什么内容,自然是很好的。比如你休假两周从国
外回来,第一天上班时,已经记不清上次怎么修改的readme.txt,所以,需要用git diff这个命令看看:
git diff readme.txt
diff --git a/readme.txt b/readme.txt
index 46d49bf..9247db6 100644
--- a/readme.txt
+++ b/readme.txt
@@ -1,2 +1,2 @@
-Git is a version control system.
+Git is a distributed version control system.
 Git is free software
                             MINGW64 ~/Desktop/test/learngit (master)
$ git status
On branch master
Changes not staged for commit:
(use "git add <file>..." to update what will be committed)
(use "git restore <file>..." to discard changes in working directory)
Untracked files:
(use "git add <file>..." to include in what will be committed)
no changes added to commit (use "git add" and/or "git commit -a")
 zjaha@LAPTOP-82FVV3QI MINGW64 ~/Desktop/test/learngit (master)
$ git diff readme.txt
diff --git a/readme.txt b/readme.txt
index d8036c1..013b5bc 100644
--- a/readme.txt
+++ b/readme.txt
+Git is a distributed version control system.
Git is free software.
 No newline at end of file
 xzjaha@LAPTOP-82FVV3QI MINGW64 ~/Desktop/test/learngit (master)
$ git add readme.txt
 xzjaha@LAPTOP-82FVV3QI MINGW64 ~/Desktop/test/learngit (master)
$ git status
 On branch master
Changes to be committed:
    (use "git restore --staged <file>..." to unstage)
    modified: readme.txt
Untracked files:
(use "git add <file>..." to include in what will be committed)
kzjaha@LAPTOP-82FVV3QI MINGW64 ~<mark>/Desktop/test/learngit (master)</mark>
$ git commit - "提交改变的内容"
error: pathspec '-' did not match any file(s) known to git
error: pathspec '提交改变的内容' did not match any file(s) known to git
 zjaha@LAPTOP-82FVV3QI MINGW64 ~/Desktop/test/learngit (master)
```

使用前面两个命令以后,我们可以重新提交以下,再用git status看看仓库下文件现状;