

git下载地址: <https://git-scm.com/download/win>

TortoiseGit下载页面: <http://download.tortoisegit.org/tgit/>

git具体安装搜索git,TortoiseGit不需要 (需要下载安装包和语言包)  
,TortoiseGit包含图标

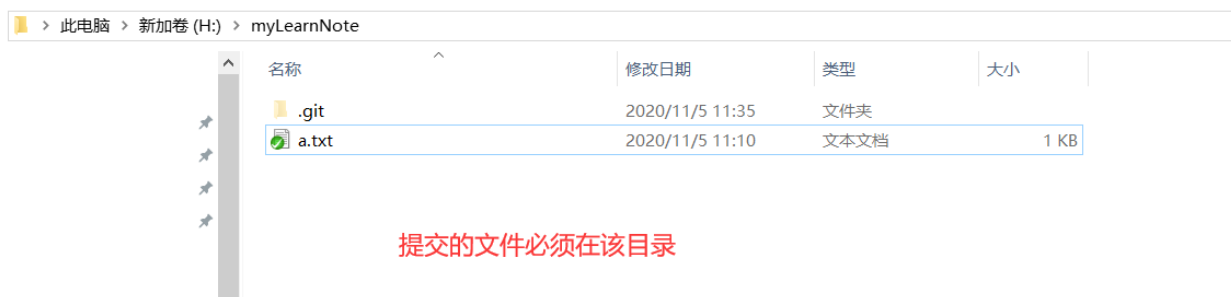
安装后需要重启才能显示图标

## 1.创建目录

```
1 mkdir 目录名
```

2.初始化目录, 初始化出现.git就是本地仓库, 有.git的就是工作目录,  
需要提交的文件必须在工作目录里

```
1 git init
```



## 3.创建a.txtx

## 4.文件添加到缓存区

- 1 说明: `git add` 指令, 可以添加一个文件, 也可以同时添加多个文件。
- 2 语法一: `$ git add 文件名`
- 3 语法二: `$ git add 文件名1 文件名2 文件名3 .....`
- 4 语法三: `$ git add .` 【添加当前目录到缓存区中】

## 5.提交至版本库

```
1 $ git commit -m "注释内容"
```

## 查看当前工作状态:

```
1 git status
```

## 克隆远程仓库

```
1 git clone 仓库地址
```

## 查看日志

```
1 git log
```

```
$ git log
commit 0b8aad0c0e70e6bc9dd71b2a1d7717266ed612fb (HEAD -> master)
Author: gbques2827 <gbques2456@aliyun.com>
Date: Thu Nov 5 11:18:51 2020 +0800

    four

commit da9d2e3ab871b0c8db7ac5867c2db386a0eff65b
Author: gbques2827 <gbques2456@aliyun.com>
Date: Thu Nov 5 11:10:26 2020 +0800

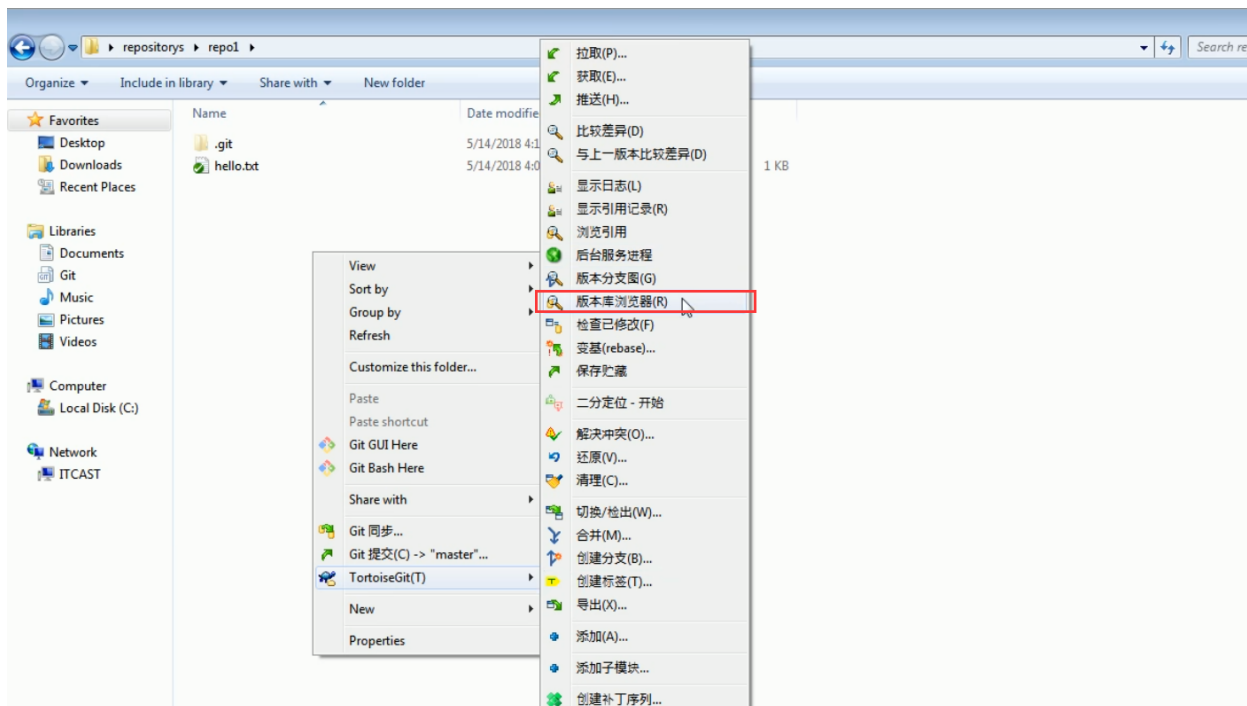
    third

commit 8cf3e75d779eb850e501bfa1cf8489aacaeb831c
Author: gbques2827 <69492488+gbques2827@users.noreply.github.com>
Date: Thu Nov 5 10:41:26 2020 +0800
```

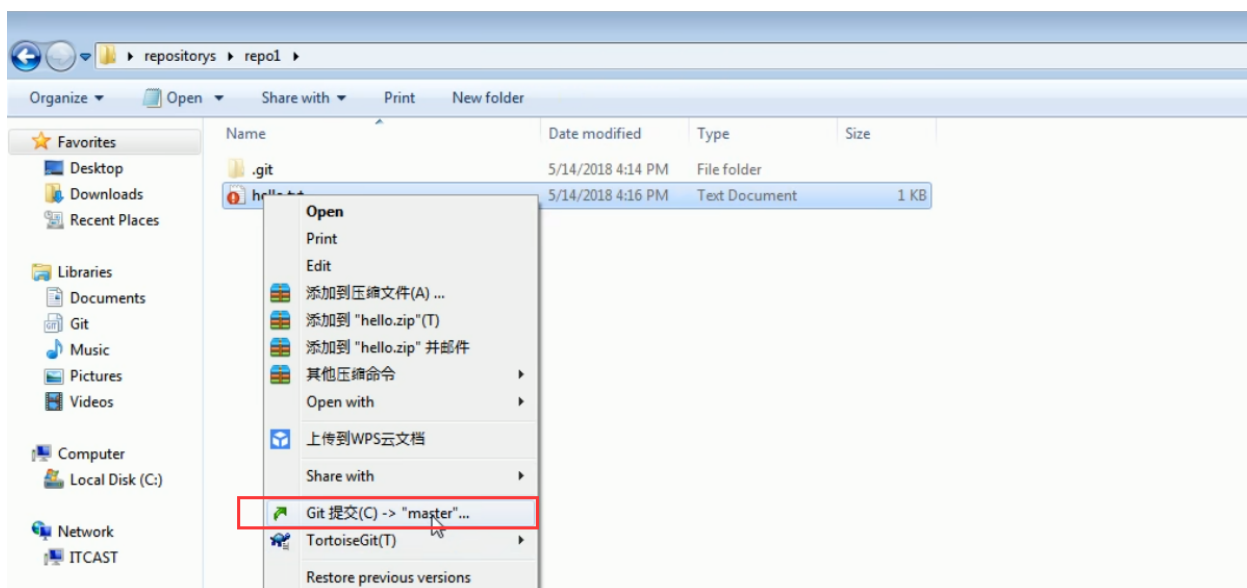
```
1 git log --pretty=oneline
```

```
liuyun@DESKTOP-PVSDVCP MINGW64 /h/myLearnNote (master)
$ git log --pretty=oneline
0b8aad0c0e70e6bc9dd71b2a1d7717266ed612fb (HEAD -> master) four
da9d2e3ab871b0c8db7ac5867c2db386a0eff65b third
8cf3e75d779eb850e501bfa1cf8489aacaeb831c sc
58ebfb7aaf292d8bd6e7f4a762a198802747302d first
```

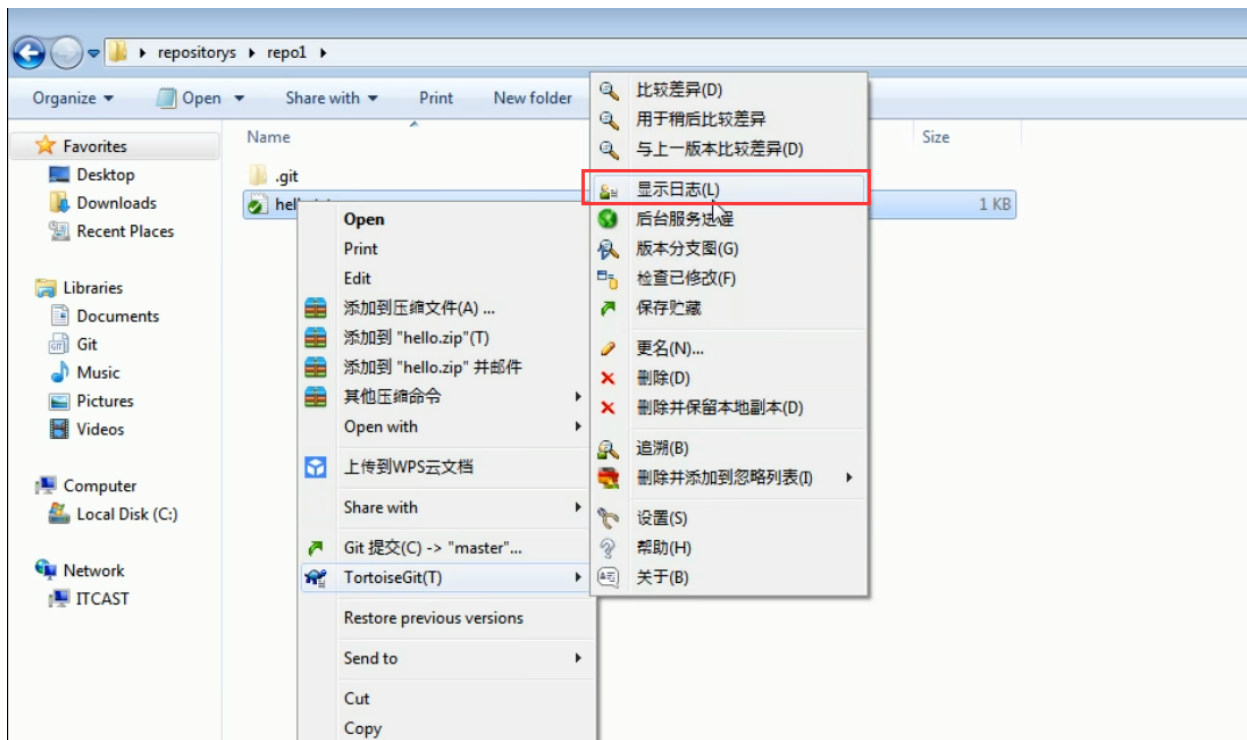
## 查看版本库浏览器被提交了的内容



使用小乌龟文件修改后可以直接提交，但是git需要添加到缓存区才能提交



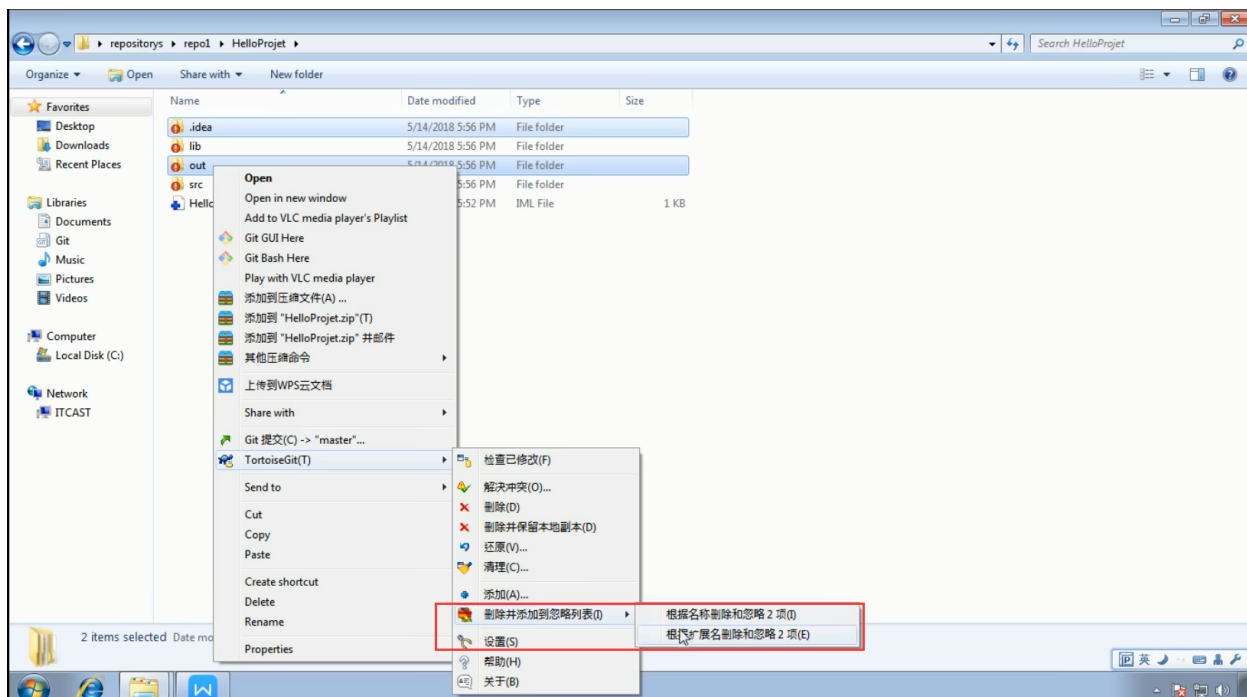
查看日志



git方式删除文件（小乌龟直接提交）：

- 1.右键删除
- 2.将文件提交至缓存区
- 3.提交本地仓库

目录中不想提交的文件



只要在该文件夹中的都进行忽略，忽略文件在文件所在目录



.gitignore也需要添加

Name	Date modified	Type	Size
.idea	5/14/2018 5:56 PM	File folder	
lib	5/14/2018 5:56 PM	File folder	
out	5/14/2018 5:56 PM	File folder	
src	5/14/2018 5:56 PM	File folder	
.gitignore	5/14/2018 5:59 PM	Text Document	1 KB
HelloProjet.iml	5/14/2018 5:52 PM	IML File	1 KB

## 创建远程仓库

← → × GitHub, Inc. [US] | <https://github.com/new>

Owner: itcastgithub / Repository name: repo1 ✓

Great repository names are short and memorable. Need inspiration? How about `cuddly-lamp`.

Description (optional)

☒ Public  
Anyone can see this repository. You choose who can commit.

☐ Private  
You choose who can see and commit to this repository.

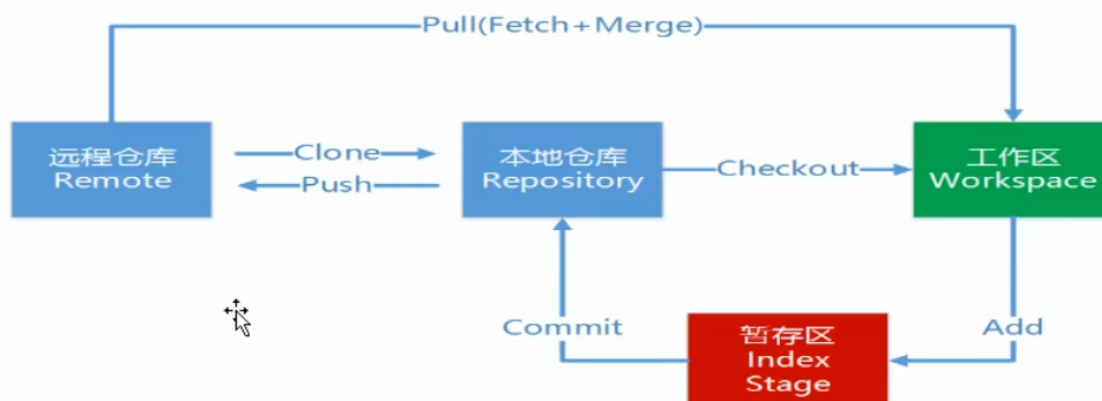
☐ Initialize this repository with a README  
This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository.

Add .gitignore: None Add a license: None ⓘ

Creating repository...

可见要想推送到远程仓库必须先提交到本地仓库

Git常用命令流程图



## 一.SSH使用方法（推荐使用该方法，但是都要会）

### 1.生成生成客户端公私钥文件

```
1 ssh-keygen -t rsa -C "注册邮箱"
2 //例子
3 ssh-keygen -t rsa -C "gbques2456@aliyun.com"
```

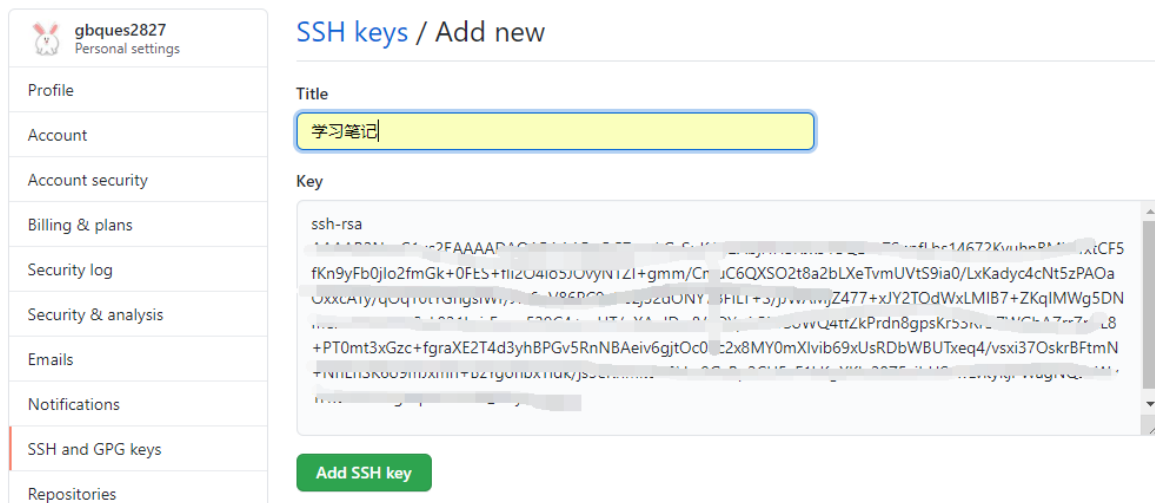
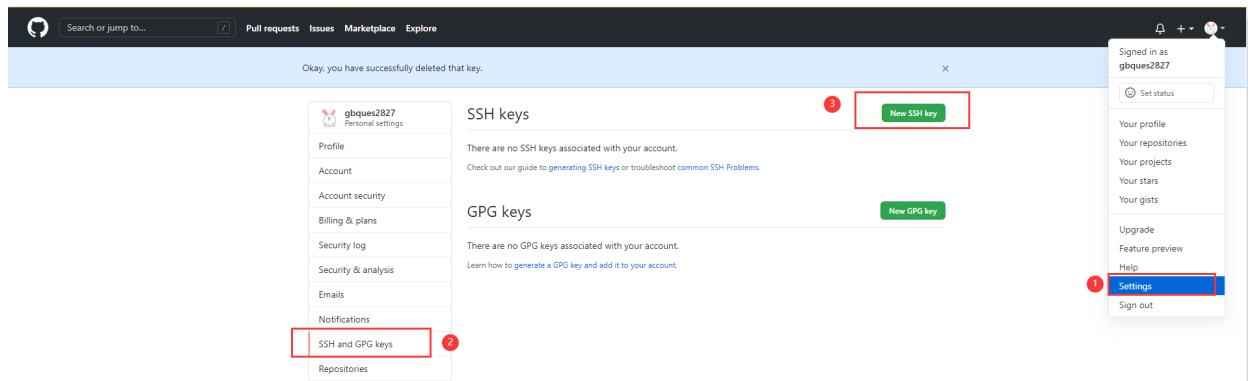
```
liuyun@DESKTOP-PVSDVCP MINGW64 /h/myLearnNote (master)
$ ssh-keygen -t rsa -C "gbques2456@aliyun.com"
Generating public/private rsa key pair.
Enter file in which to save the key (/c/Users/liuyun/.ssh/id_rsa):
/c/Users/liuyun/.ssh/id_rsa already exists.
Overwrite (y/n)? y
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /c/Users/liuyun/.ssh/id_rsa
Your public key has been saved in /c/Users/liuyun/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:dGPwt6w2VIO+IMkSB4Day1hpSEtwk1+ZjMGpt+h9aNE gbques2456@aliyun.com
The key's randomart image is:
+---[RSA 3072]-----+
|+++.o .
|o=+ =. o .
|+=.o. . . * +
|+.B + o + = o
|o* .o + S o o
|+... E . o o
|. . o =
|. + . . .
|. .
+---[SHA256]-----+
```

### 2.复制该文件里内容即密钥

↑ 此电脑 > 本地磁盘 (C:) > 用户 > liuyun > .ssh

名称	修改日期	类型	大小
id_rsa	2020/11/5 12:50	文件	3 KB
id_rsa.pub	2020/11/5 12:50	PUB 文件	1 KB
known_hosts	2020/11/5 10:14	文件	1 KB

### 3.按步骤操作



```

1 git remote add origin git@github.com:gbques2827/myLearnNote.git
2 //重置地址
3 //git remote set-url origin git@github.com:gbques2827/myLearnNote.git
4 //创建分支
5 //git branch 新分支名
6 //修改当前分支名
7 //git branch -M main
8 git push -u origin main




```



```
liuyun@DESKTOP-PVSDVCP MINGW64 /h/myLearnNote (master)
$ git remote add origin git@github.com:gbques2827/myLearnNote.git


liuyun@DESKTOP-PVSDVCP MINGW64 /h/myLearnNote (master)
$ git push -u origin master
Warning: Permanently added the RSA host key for IP address '13.229.188.59' to the list of known hosts.
Enumerating objects: 16, done.
Counting objects: 100% (16/16), done.
Delta compression using up to 4 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (16/16), 1.13 KiB | 192.00 KiB/s, done.
Total 16 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), done.
To github.com:gbques2827/myLearnNote.git
 * [new branch]      master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.

liuyun@DESKTOP-PVSDVCP MINGW64 /h/myLearnNote (master)
```

成功

 master ▾  1 branch  0 tags [Go to file](#) [Add file ▾](#) [Code ▾](#)

 gbques2827 1112 8995972 2 hours ago  6 commits

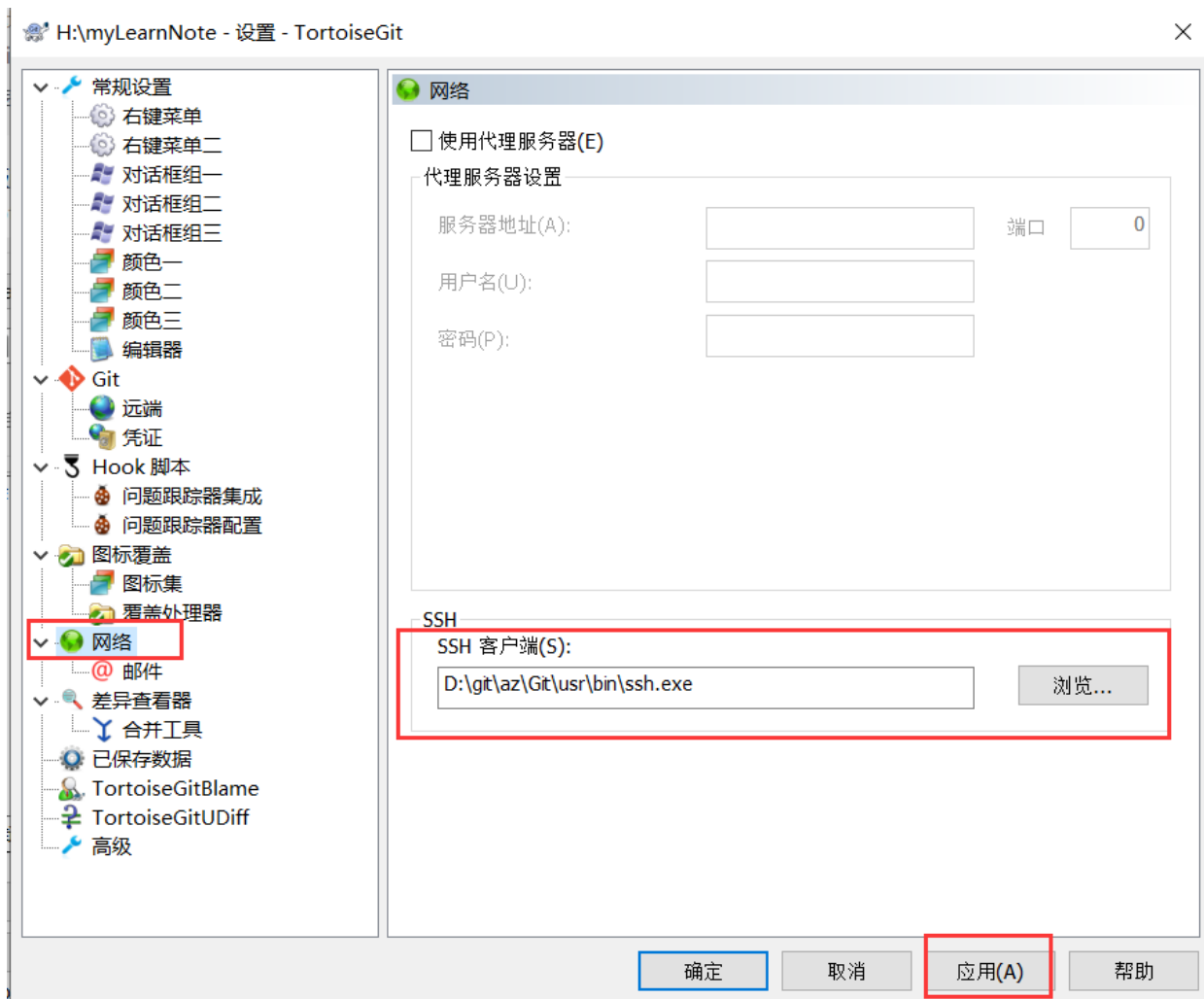
 a.txt four 2 hours ago

Help people interested in this repository understand your project by adding a README. [Add a README](#)

## 二.乌龟使用方法

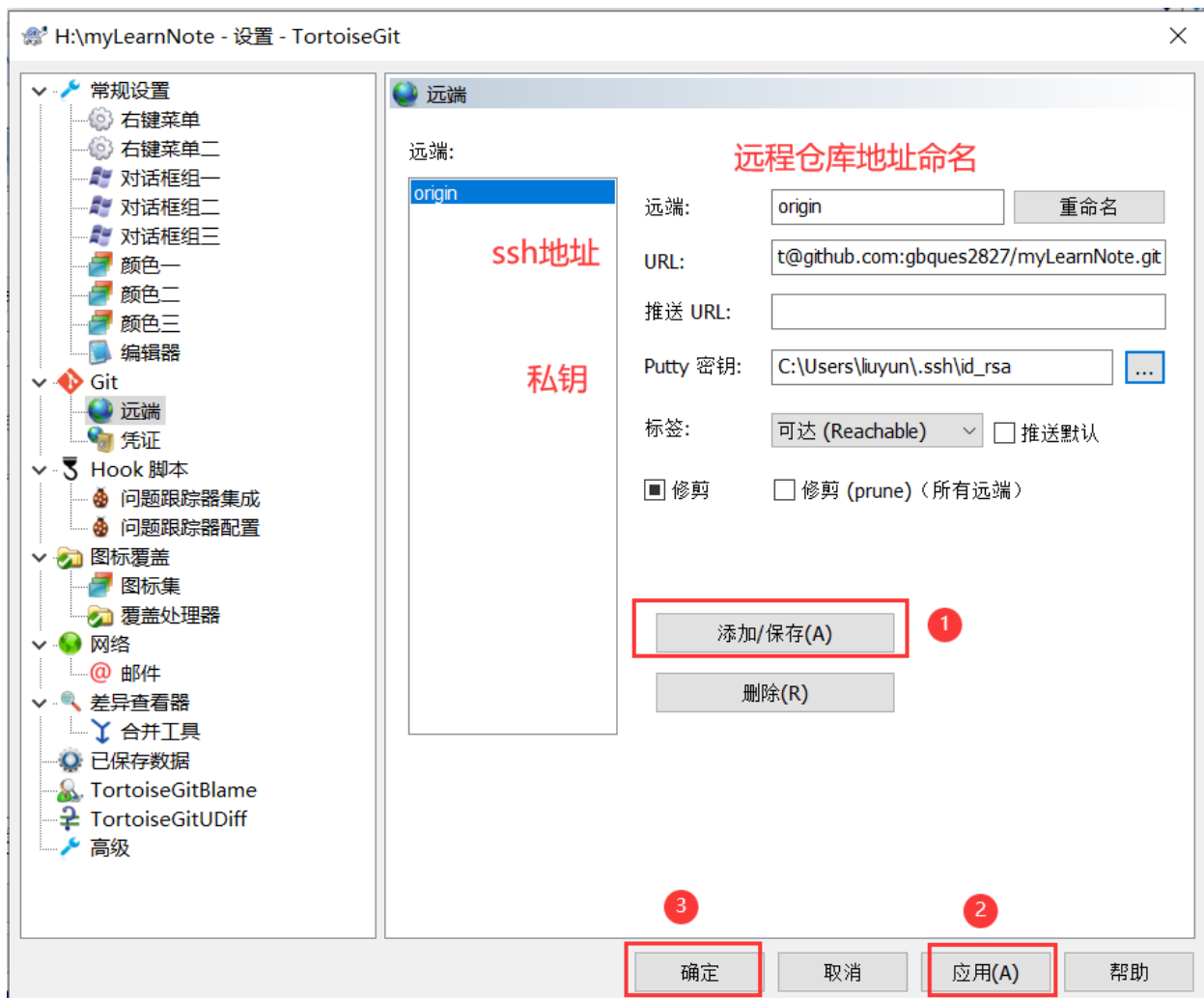
### 1.右键——git同步——管理



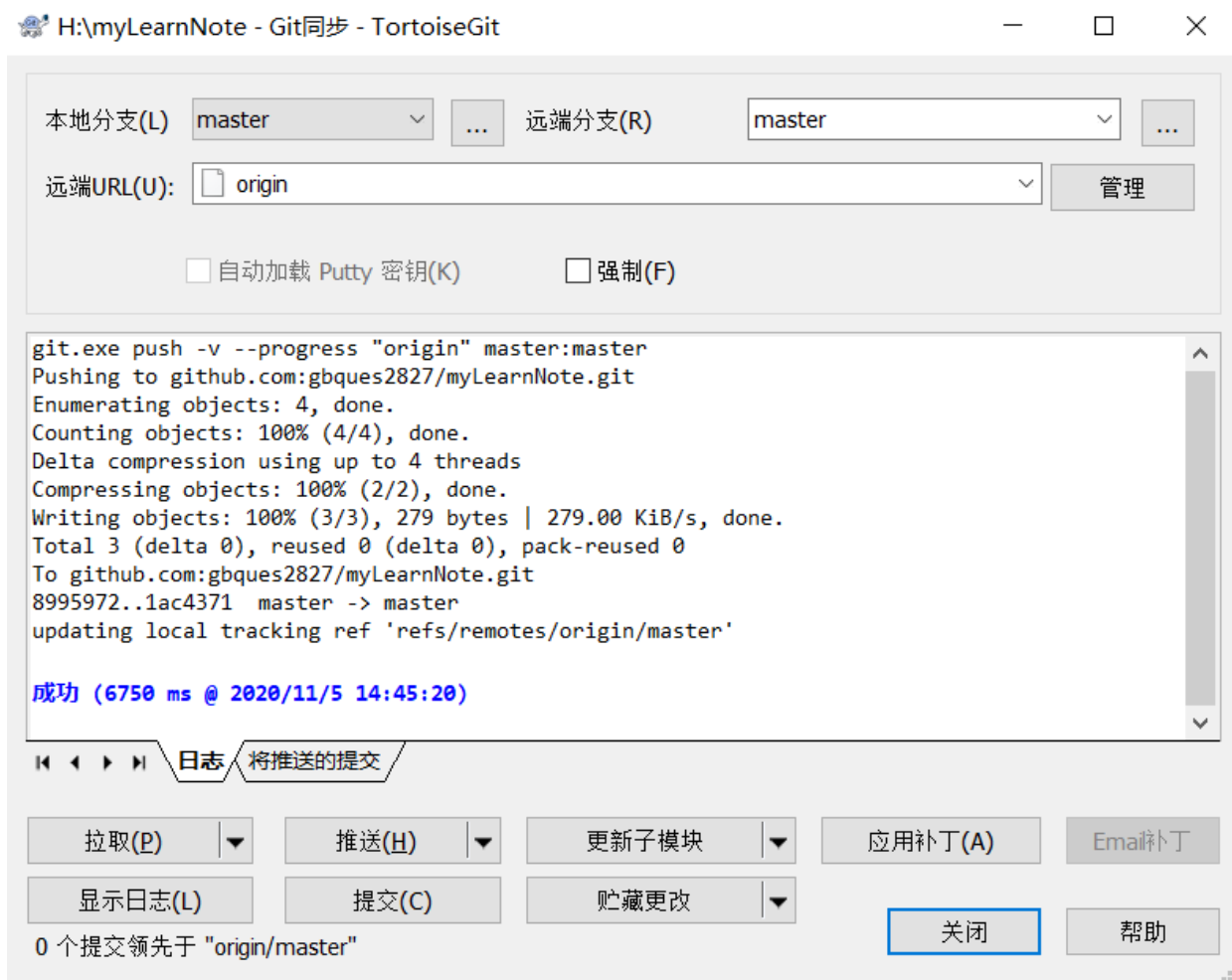


设置好以后以后只需要修改URL

- 1 //ssh地址
- 2 git@github.com:gbques2827/myLearnNote.git



## 2.右键推送



### 三.使用HTTPS形式

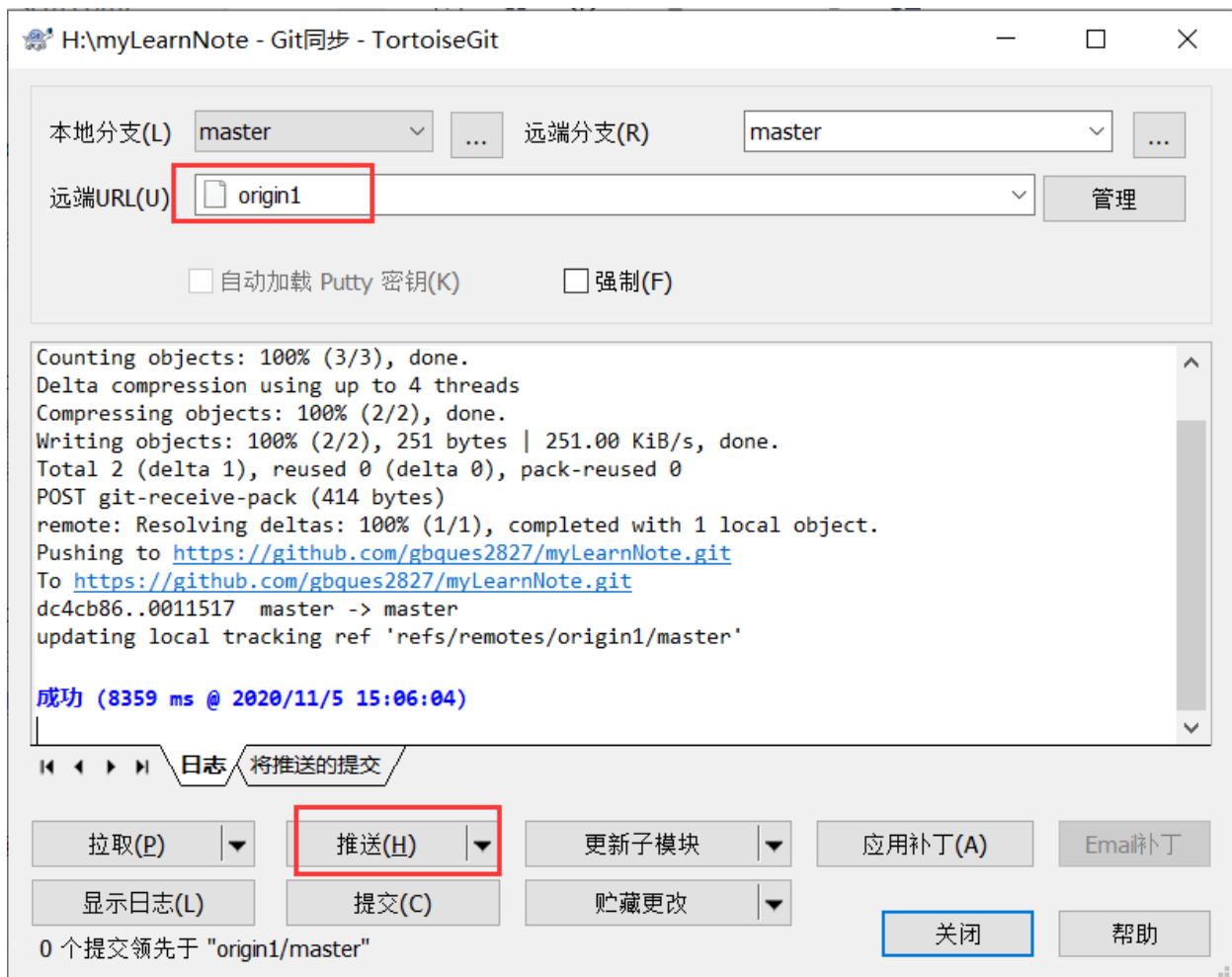
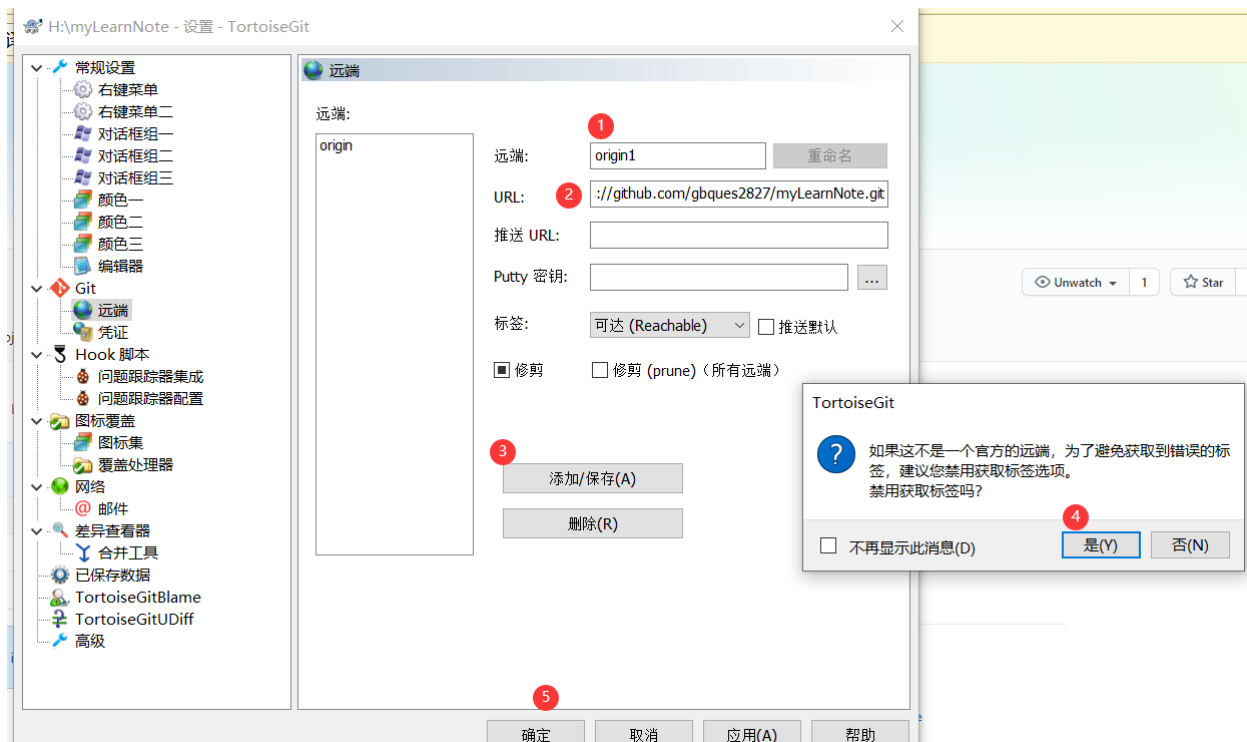
- 1 //重置地址
- 2 `git remote set-url origin https://github.com/gbques2827/myLearnNote.git`
- 3 //推送
- 4 `git push -u origin main`

```
liuyun@DESKTOP-PVSDVCP MINGW64 /h/myLearnNote (master)
$ git remote set-url origin https://github.com/gbques2827/myLearnNote.git

liuyun@DESKTOP-PVSDVCP MINGW64 /h/myLearnNote (master)
$ git push -u origin master
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 276 bytes | 276.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/gbques2827/myLearnNote.git
0011517..97cc677 master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.

liuyun@DESKTOP-PVSDVCP MINGW64 /h/myLearnNote (master)
$
```

## 四.小乌龟使用HTTPS形式

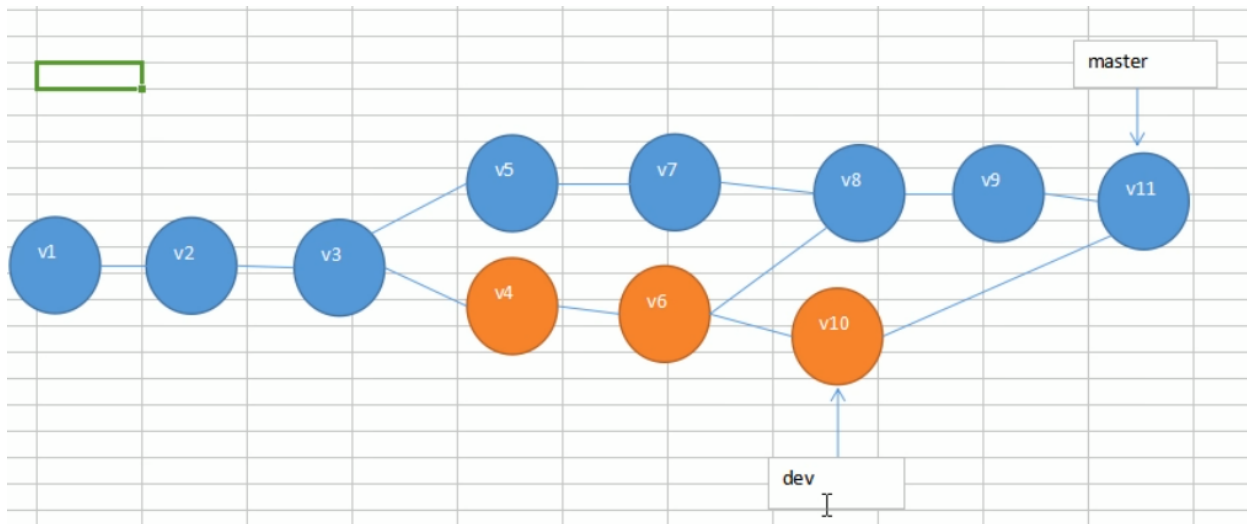


## git命令汇总

```
1 git init // 初始化 在工作路径上创建主分支
2 git clone 地址 // 克隆远程仓库
3 git clone -b 分支名 地址 // 克隆分支的代码到本地
4 git status // 查看状态
5 git add 文件名 // 将某个文件存入暂存区
6 git add b c //把b和c存入暂存区
7 git add . // 将所有文件提交到暂存区
8 git add -p 文件名 // 一个文件分多次提交
9 git stash -u -k // 提交部分文件内容 到仓库 例如本地有3个文件 a b c 只想提交a
b到远程仓库 git add a b 然后 git stash -u -k 再然后git commit -m "备注信息" 然
后再push push之后 git stash pop 把之前放入堆栈的c拿出来 继续下一波操作
10 git commit -m "提交的备注信息" // 提交到仓库
11 若已经有若干文件放入仓库，再次提交可以不用git add和git commit -m "备注信息"
这2步， 直接用
12 git commit -am "备注信息" // 将内容放至仓库 也可用git commit -a -m "备注信
息"
13 //git commit中的备注信息尽量完善 养成良好提交习惯 例如 git commit -m "变更(范
围): 变更的内容"
```

```
1 //推送本地仓库相应分支到远程仓库，-u参数指设定默认主机，以后就可以只用git push
推送了
2 git push -u origin master
3 //推送所以分支到远程仓库
4 git push [remote] --all
5 //删除远程master分支
6 git push origin --delete master
7 //强制推送，覆盖远程的master分支（有句话说：“除非一个人使用，否则push --force
就是找死”）
8 git push origin master --force
9
10 //更新本地代码库master分支
11 git pull origin master
12 //更新本地时，把两段不相干的分支进行强行合并
13 git pull origin master --allow-unrelated-histories
14
```

## 分支图解：



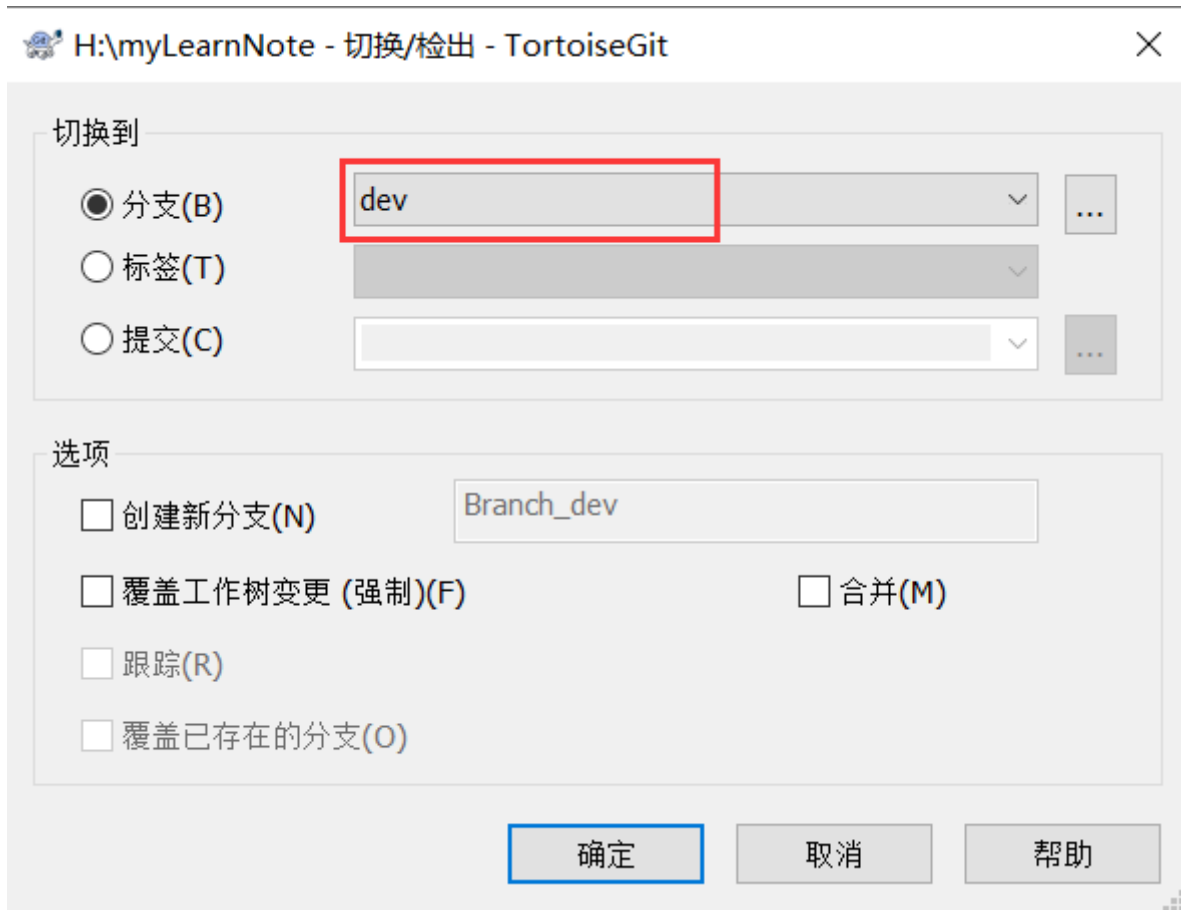
## 右键小乌龟) ——创建分支

- 1 //命令创建
- 2 `git branch` 分支名



## 右键——切换分支

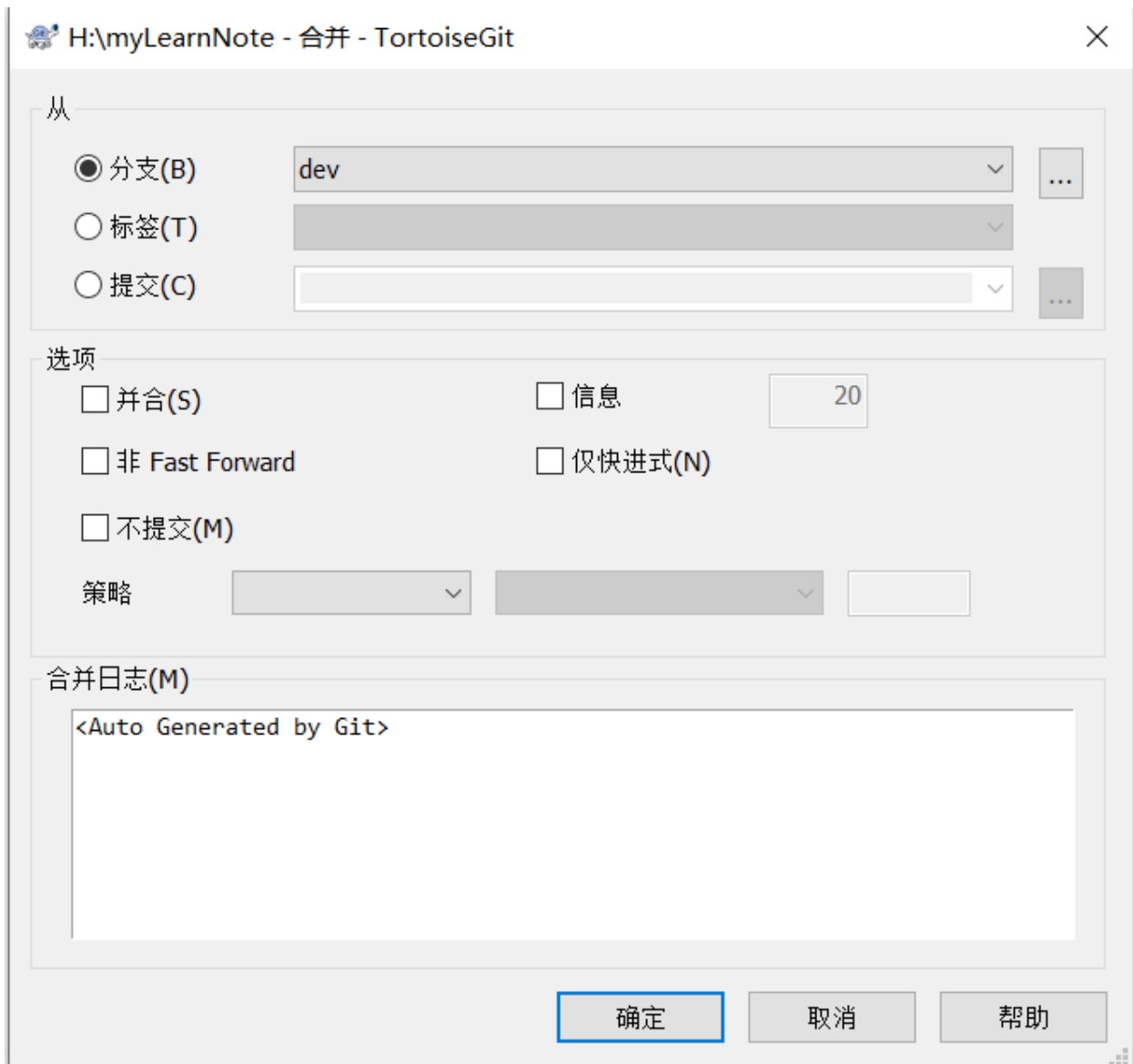
- 1 //命令切换
- 2 `git checkout` 分支名



## 合并分支

### 右键——合并

- 1 //这个命令把分支" branchname" 合并到了当前分支里面
- 2 `git merge branchname`



删除分支

右键——切换分支——...

```
1 //查看分支
2 git branch -a
3 git branch -d 分支名
```



从

☒ 分支(B)

dev

☐ 标签(T)☐ 提交(C)

选项

☐ 合并(S)☐ 信息

20

☐ 非 Fast Forward☐ 仅快进式(N)☐ 不提交(M)

策略



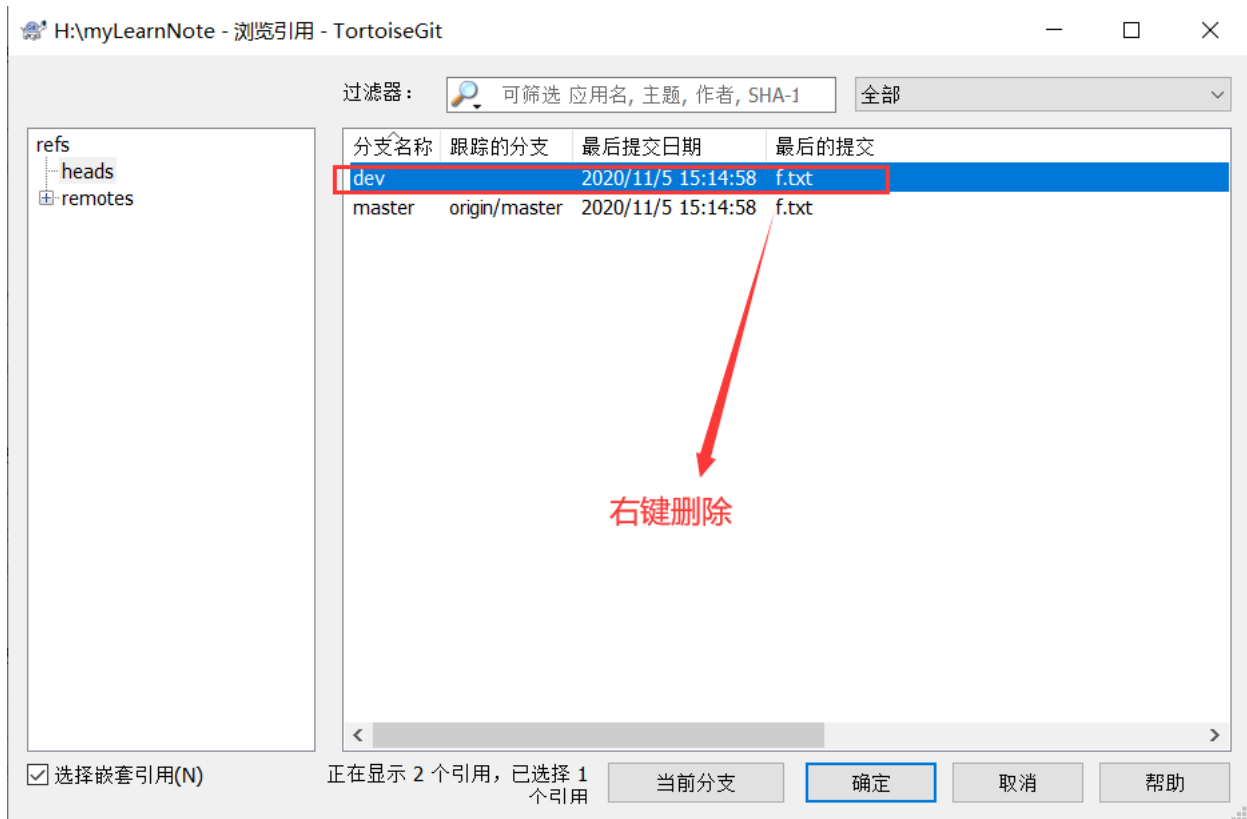
合并日志(M)

&lt;Auto Generated by Git&gt;

确定

取消

帮助



```
liuyun@DESKTOP-PVSDVCP MINGW64 /h/myLearnNote (master)
$ git branch -a
dev
* master
remotes/origin/master
remotes/private-git/master

liuyun@DESKTOP-PVSDVCP MINGW64 /h/myLearnNote (master)
```