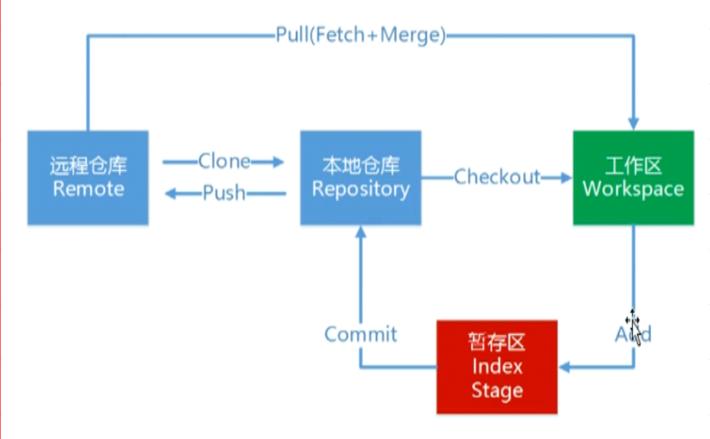
2. git共享仓库

Git常用命令流程图



- 3. GitBush命令行/GitGUI图形化界面
- 4.GitBush在Windows下建立了一个Linux环境

Git简介

2020年6月22日

10:50

1.git概念

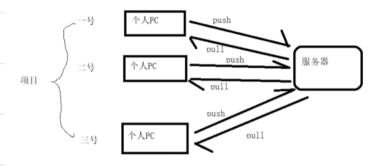
免费、开源

分布式(项目存储的位置在很多个点上,工作组的人都有,建立一个项目可以让多个人开发共享, 分工上传;把相同的内容分布在很多地方;磁盘有上限但项目无上限,把相同的数据分散到多个服 务器或终端上)

版本控制系统,

可以快速高效地处理从小到大型的项目。

◆项目: 一组文件的集合(不仅代码、文件等等都可)



水平扩容:电脑加移动硬盘,不需要提升电脑能力。

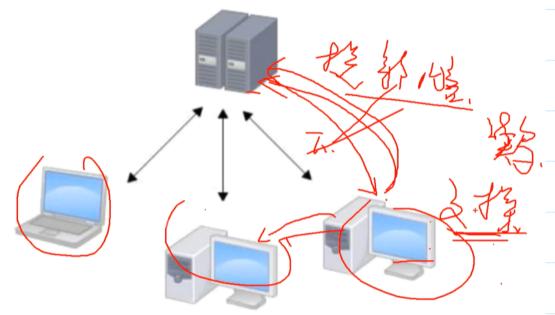
2.其他常见的版本控制工具

subversion(简称SVN,局域网,特殊搭建才可实现)、CVS(部分银行,基于unix,在linux也可用,比较繁琐)等。

3.版本控制工具的作用

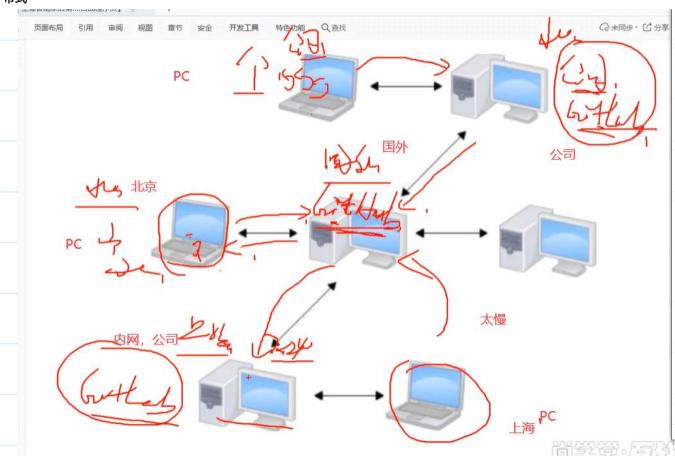
- ◆协同修改
- ◆多人并不悖的修改服务器端的同一个文件
- ₩据备份
- ◆不仅保存目录和文件的当前状态,还能够保存每一个提交过的历史状态
- ₩本管理
- ◆在保存每一个版本的文件信息的时候要做到不保存重复数据,以节约存储空间,提高运行效率。这 方面SVN采用的是增量式管理的方式,而Git采用了文件系统快照的方式(效率更高)。
- ₩限管理
- ◆对团队中参与开发的人员进行权限控制
- ◆对团队外开发者贡献的代码进行审核--Git独有(分支、开副本)
- ₩历史记录
- **◆**查看修改人、修改时间、修改内容、日志信息
- ₩本地文件恢复到某一个历史状态
- ◆分支管理
- ◆允许开发团队在工作过程中多条生产线同时推进任务,进一步提高效率
- 4.集中式版本控制工具及分布式版本控制工具示意图

集中式



提交过程中每一次文件的操作,每一次版本的管理都必须访问服务端

分布式



可以是外网服务器(GitHub)也可是内网服务器(公司内部gitlub) 外网或者是gitee

5.git官网

http://git-scm.com/ 独立的技术,本地电脑(客户端)安装软件

logo:



6.git优势

大部分操作在本地完成,不需要联网

尽可能添加数据而不是删除或修改数据(增量维护,不是变量,即便删除的文档也可恢复-<快照>)

分支操作非常快捷流畅 (快照,备份)

与Linux命令全面兼容

7.git和代码托管中心(多托管)

代码托管中心得任务: 维护远程库

局域网环境下

gitlab服务器(企业内部搭建私有服务器,方便成本低)

外网环境下

GitHub

码云(gitee)<开源中国架设的>

git的基本使用

2020年6月22日 10:50

1.安装及初始化本地仓库

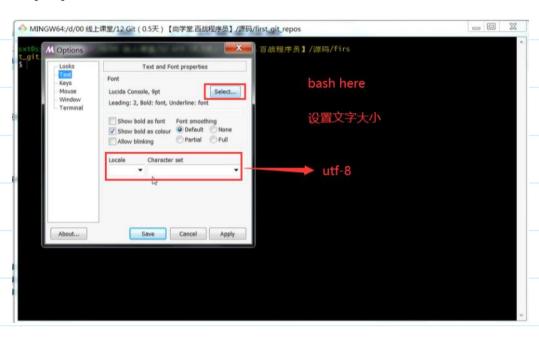
不能安装在中文目录下

安装完成打开git bash 窗口

输入git --version输出版本信息证明安装成功

填写用户名和邮箱作为一个标识

git config --global user.name "用户名"





sxt@sxt-PC MINGW64 /d/00 线上课堂/12 Git (0.5天) 【尚学堂.百战程序员】/源码/firs t_git_repos \$ git --version I git version 2.22.0.windows.1 git版本

◆git内核遵从Linux,没有消息就是好消息

◇Git config (做配置,为git后续命令增加一些默认的本地配置心息) --global (公共配置,全局的)

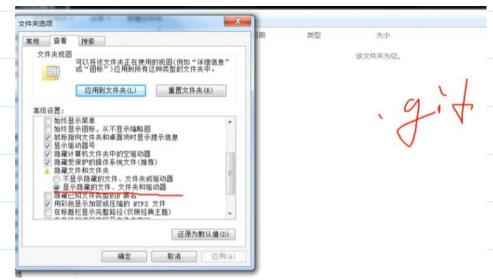
◆个人信息

Lenovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/first_git_repos
\$ git config --global user.name "videjin"

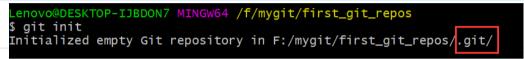
◆个人邮箱地址

Lenovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/first_git_repos \$ git config --global name.email "jarcony@163.com"

◆目录中有.git则是git的本地仓库,git bash可识别



₩初始化git本地仓库





₩文件的处理

git add 文件名

Lenovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/first_git_repos (master)
\$ git add text.txt



文件没有区别,但是在.git中增加了文件(不可解析,git可以)



直接打开文件修改,但git不知道,需要git commit提交到git后加描述git commit -m(描述) "test"

Lenovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/first_git_repos (master)

§ git commit -m "test.txt modified by old jin" |
[master (root-commit) Oblc261] test.txt modified by old jin

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 text.txt

master (root-commit) 0b1c261是提交了一个文件

[master (root-commit) 0b1c261]

文件描述

test.txt modified by old jin

一个文件修改了,没有新增的,没有删除的

1 file changed, 0 insertions(+), 0 deletions(-)

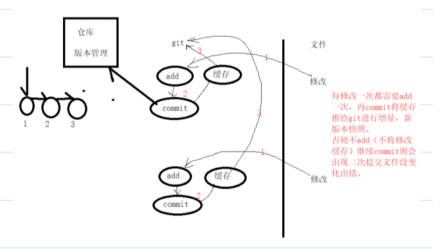
文件创建好了

create mode 100644 text.txt

二次提交、文件没变化

修改的状态没有提交

错误解决:



名字不对:

```
$ git add test.txt
fatal: pathspec 'test.txt' did not match any files
```

git status 状态

没有工作树,没有缓存,最新版本

\$ git status On branch master nothing to commit, working tree clean

继续修改text.txt,没有add则状态会出现

安装成功

```
Lenovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/first_git_repos (master)
$ git add text.txt

Lenovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/first_git_repos (master)
$ git status
On branch master
Changes to be committed:
   (use "git reset HEAD <file>..." to unstage)

   modified: text.txt
```

2. git存储流程

- a. 代码工作区-->执行git add-->暂存区(临时存储) -->执行git commit-->本地库(历史版本)
- b. 工作区、暂存区和本地仓库,逻辑上是本地计算机。当我们新建一个文件时,文件位于工作区,处于已修改(modified)状态,表明文件已进行了修改,但还没有提交保存;通过命令git add将其添加到暂存区,文件是已暂存(staged)状态,表明把已修改的文件放到下次提交时要保存的清单中;通过命令git commit将文件放入本地仓库,文件为已提交(commited)状态,表示该文件已经被安全地保存在本地数据库中,到这一步可以说是成功生成了一个新的版本,旧版本进行快照。
- c. 远程仓库用来将本地仓库上传到网络,实现备份、共享和合作。
- 3. git常用命令
 - a. 添加文件
 - i. git add 文件名
 - 1) 将文件添加到暂存区
 - b. 提交文件
 - i. git commit -m "提交注释"
 - 1) 将文件提交到本地仓库
 - c. 查看状态
 - i. git status
 - 1) 查看目录中是否还有文件未提交
 - d. 查看文件修改对比差异
 - i. git diff
 - 1) 比较文件差异

- ii. git diff[文件名] |
 - 1) 将工作区中的文件和暂存区进行比较

e. 查看日志

- i. git log
 - 1) 查看历史记录,显示从最近到最远的日志

```
Lenovo@DESKTOP-IJBDON7 MINGw64 /f/mygit/first_gif_repos (master)
$ git log
commit e9f833eb353327e64dde9390b0c39649a884962c (HEAD -> master)
Author: videjin <55940795+VideJin@users.noreply.github.com> 修改人
Date: Wed Jun 24 20:17:08 2020 +0800 修改时间

commit 3 描述

commit 353f27bb15d73582b11d7368eb98a6612d5781e8
Author: videjin <55940795+VideJin@users.noreply.github.com>
Date: Wed Jun 24 17:01:35 2020 +0800

text.txt second modified by old jin

commit 0b1c2617ebd1d33a8e956744daa828ef6260f051
Author: videjin <55940795+VideJin@users.noreply.github.com>
Date: Wed Jun 24 15:58:57 2020 +0800

test.txt modified by old jin

Lenovo@DESKTOP-IJBDON7 MINGw64 /f/mygit/first_git_repos (master)
$ |
```

test.txt modified by old jin 版本 (带括号是最新版本) 描述

Lenovo®DESKTOP-IJBDON7 MINGW64 /f/mygit/first_git_repos (master)

\$ git rog --pretty=oneline e9f833eb353327e64dde9390b0c39649a884962c (HEAD -> master) commit 3 353f27bb15d73582b11d7368eb98a6612d5781e8 text.txt second modified by old jin 0b1c2617ebd1d33a8e956744daa828ef6260f051 test.txt modified by old jin

```
Lenovo@DESKTOP-IJBDON7 MINGw64 /f/mygit/first_git_repos (master)

§ git reflog
e9f833e (HEAD -> master) HEAD@{0}: commit: commit 3
353f27b HEAD@{1}: commit: text.txt second modified by old jin
Oblc261 HEAD@{2}: commit (initial): test.txt modified by old jin

S git log --pretty=oneline
e9f833eb353327e64dde9390b0c39649a884962c (HEAD -> master) commit 3
353f27bb15d73582b11d7368eb98a6612d5781e8 text.txt second modified by old jin
Oblc2617ebd1d33a8e956744daa828ef6260f051 test.txt modified by old jin
```

6) 引用日志一般配合其他命令,比如版本变化的历史操作,可以让本地文件变化

- f. 删除文件
 - i. 兼容Linux, m,cat查看
 - ii. 删除文件并且上传

```
Lenovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/first_git_repos (master)

$ rm text.txt

Lenovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/first_git_repos (master)

$ git diff

diff --git a/text.txt b/text.txt

deleted file mode 100644

index ecb00be..0000000
---- a/text.txt
+++ /dev/null

@@ -1,3 +0,0 @@
-public class Test{
- public static void main(String[] args){}
-}

\ No newline at end of file

Lenovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/first_git_repos (master)

$ git add text.txt

Lenovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/first_git_repos (master)

$ git commit -m "delete"
[master 321515a] delete
1 file changed, 3 deletions(-)
delete mode 100644 text.txt
```

- iv. 删除后找回方式
 - 1) 历史版本

```
Lenovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/first_git_repos (master)

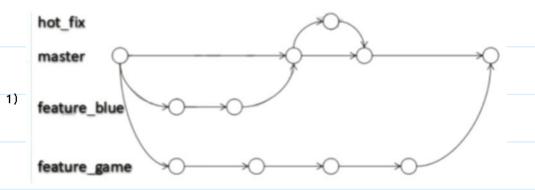
$ git reflog
321515a (HEAD -> master) HEAD@{0}: commit: delete
353f27b HEAD@{1}: reset: moving to 353f27b
e9f833e HEAD@{2}: commit: commit 3
353f27b HEAD@{3}: commit: text.txt second modified by old jin
0b1c261 HEAD@{4}: commit (initial): test.txt modified by old jin
Lenovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/first_git_repos (master)

$ git reset --hard e9f8]3e
HEAD is now at e9f833e commit 3
```

- 2) 用git checkout -- 文件名, 检出文件
 - a) 删除后未提交可以用(未提交删除文件时)
 - Lenovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/first_git_repos (master)
 b) \$ git checkout -- text.txt

g. 分支操作

i. 在版本回退那里,已经知道每次提交,git都会把他们串成一条时间线,这条时间线就是一个分支。截止到目前,只有一条时间线,在git里,这个分支叫主分支,即master。切换分支即可以理解为切换时间线。



- ii. 在版本控制过程中,使用多条线同时推进多个任务。每条线成为一个分支。
 - 1) 例如
- iii. 创建分支
 - 1) git branch[分支名]

```
Lenovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/first_git_repos (master)
$ git branch b1 创建分支

2) Lenovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/first_git_repos (master)
$ git branch -v 查看分支
b1 e9f833e commit 3 副本
* master e9f833e commit 3 量分支

| master e9f833e commit 3 量分支
| master e9f833e commit 3 量分支
| master e9f833e commit 3 量分支
```

Lenovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/first_git_repos (master) \$[git checkout b1 切換分支 Switched to branch 'b1'

iv. 查看分支

1) git branch -v

v. 切换分支

1) git checkout 分支

vi. 合并分支

- 1) 切换到接受合并的分支
- 2) git checkout 接受合并的分支
- 3) git merge 要合并的分支

```
Lenovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/first_git_repos (b1)
$ git checkout master
Switched to branch 'master' 切換到接受合并的分支

Lenovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/first_git_repos (master)
$ git merge b1
Updating e9f833e..e36fca5
Fast-forward
text.txt | 1 +
1 file changed, 1 insertion(+)

Lenovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/first_git_repos (master)
$ git branch -v
b1 e36fca5 b1
e36fca5 b1
master e36fca5 b1
b1和master内容版本相同
```

vii. 删除分支

- 1) git branch -d 分支名
- 2) 不能在所属分支删除分支

远程仓库操作

2020年6月22日 10:50

1.中国现在多用gitee(中国的)

地址: http://gitee.com/

- 2、创建SSH Key
 - a. 因为数据保存在远程服务器,服务器需要对你的身份进行识别,SSH Key可以让你的电脑和码云之间建立安全的加密连接。
 - b、运行命令ssh-keygen -t rsa -C "你的邮籍",会有三次提示输入,直接回车即可。

```
Lenovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/first_git_repos (master)
$ ssh-keygen -t rsa -C "jarcony@163.com" 有效的域。可以先globe即前
Generating public/private rsa key pair. 公债指摘对 注意sh和-keygen中间无空格
Enter file in which to save the key (/c/Users/Lenovo/.ssh/id_rsa):
Enter passphrase (empty for no passphrase): key地址
Enter same passphrase again:
Your identification has been saved in /c/Users/Lenovo/.ssh/id_rsa. 已经创建
Your public key has been saved in /c/Users/Lenovo/.ssh/id_rsa. 已经创建
Your public key has been saved in /c/Users/Lenovo/.ssh/id_rsa. 已经创建
Your public key has been saved in /c/Users/Lenovo/.ssh/id_rsa. 已经创建
Your public key has been saved in /c/Users/Lenovo/.ssh/id_rsa. 已经创建
Your public key has been saved in /c/Users/Lenovo/.ssh/id_rsa. 已经创建
Your public key has been saved in /c/Users/Lenovo/.ssh/id_rsa. 已经创建
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Your public key has been saved in /c/Users/Lenovo/.ssh/id_rsa. 已经创建
Your public key has been saved in /c/Users/Lenovo/.ssh/id_rsa. 已经创建
Your public key has been saved in /c/Users/Lenovo/.ssh/id_rsa. 已经创建
Your public key has been saved in /c/Users/Lenovo/.ssh/id_rsa. 已经创建
Your public key has been saved in /c/Users/Lenovo/.ssh/id_rsa. 已经创建
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Your public key has been saved in /c/Users/Lenovo/.ssh/id_rsa. 已经创建
Your public key has been saved in /c/Users/Lenovo/.ssh/id_rsa. 已经创建
Your public key has been saved in /c/Users/Lenovo/.ssh/id_rsa. 已经创建
Your public key has been saved in /c/Users/Lenovo/.ssh/id_rsa. 已经创建
Your public key has been saved in /c/Users/Lenovo/.ssh/id_rsa. 已经创建
Your public key has been saved in /c/Users/Lenovo/.ssh/id_rsa. 已经创建
Your public key has been saved in /c/Users/Lenovo/.ssh/id_rsa.

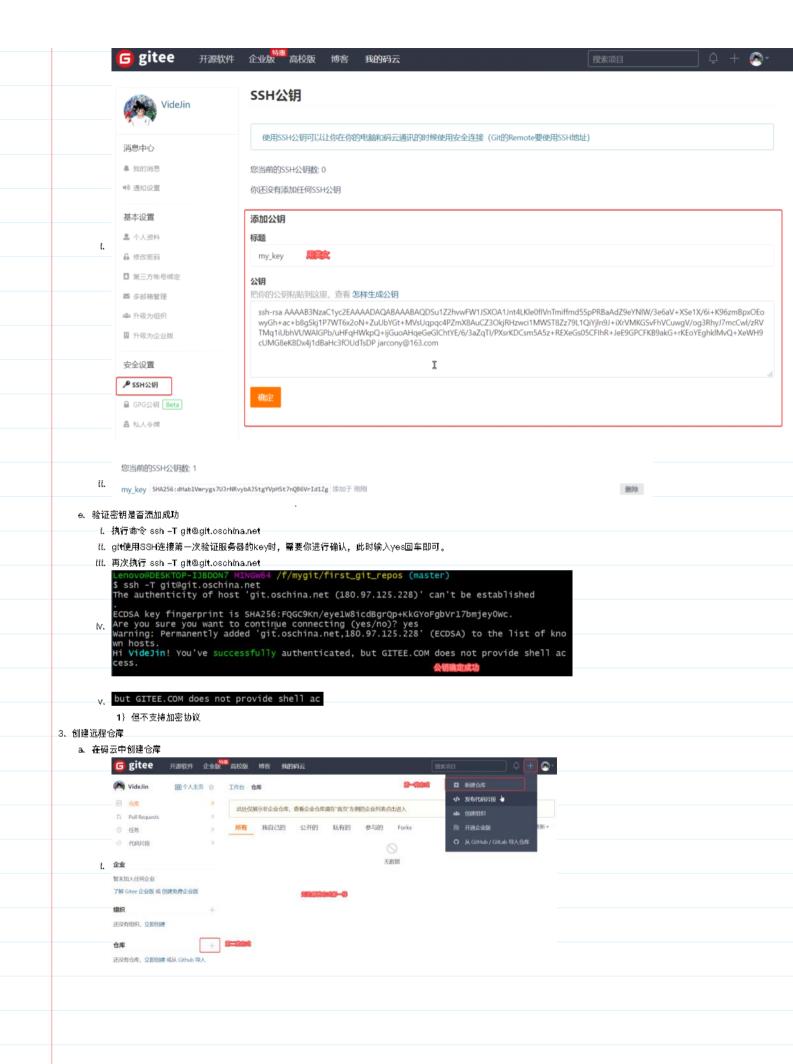
Hether the first has been
```

ii. 过滤的信息

Enter passphrase (empty for no passphrase) 所点信息 Enter same passphrase again:



d、登录码云,在SSH公钥文本框里粘贴id_rsa.pub文件的内容





b. 克隆到本地

```
Lenovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/second_git_repos
$ ls

Lenovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/second_git_repos
$ pwd
/f/mygit/second_git_repos

Lenovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/second_git_repos
$ [git clone https://gitee.com/videjin/first.git
cloning into 'first'... **RP$#_bopkmy*hb, https://mb45/mP46/#42glt
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (4/4), done.
remote: Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (4/4), done.

Lenovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/second_git_repos
$ ls
first/
Lenovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/second_git_repos
$
```

ii、新建的文件必须add到git,才能够被git知道有这个文件,并记录版本

```
Lenovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/second_git_repos
$ ls
first/
Lenovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/second_git_repos
$ touch test.txt

Lenovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/second_git_repos
$ vim test.txt

Lenovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/second_git_repos
$ git diff test.txt
Not a git repository
To compare two paths outside[a working tree:
usage: git diff [--no-index] <path> <path>
```

- a)这不是在.git文件中创建的故出现这个问题
- b) 解决是打开first(有.git的文件),再创建

```
rm test.txt
                                      enovo@DESKTOP-IJBDON7 MINGW64 /f/myqit/second_qit_repos
                                      ls
irst/
                                      enovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/second_git_repos
                                     $ cd first/
                                      .enovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/second_git_repos/first (master)
                                      f/mygit/second_git_repos/first
                                      .enovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/second_git_repos/first (master)
                                     s touch test.txt
                                      .enovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/second_git_repos/first (master)
                                       vim test.txt
                                      enovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/second_git_repos/first (master)
                                       git diff test.txt 无区别。因为
                                       enovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/second_git_repos/first (master)
                                                                                          /f/mygit/second_git_repos/first (master
                                     $ git add test.txt
warning: LF will be replaced by CRLF in test.txt.
The file will have its original line endings in your working directory
                                      Lenovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/second_git_repos/first (master)
$ git commit -m "test.txt commit1"
[master 5897671] test.txt commit1
1 file changed, 5 insertions(+)
create mode 100644 test.txt
                                                                            MINGW64 /f/mygit/second_git_repos/first (maste
                                        vim test.txt
                                                 DESKTOP-IJBDON7 MINGW64 /f/mygit/second_git_repos/first (master)
                                    Lenovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/second_git_repos/first (master)
$ git diff test.txt
warning: LF will be replaced by CRLF in test.txt.
The file will have its original line endings in your working directory
diff --git a/test.txt b/test.txt
index 49e9947.ecelc22 100644
--- a/test.txt
+++ b/test.txt
                                      @ -1,4 +1,7 @@
public class Test{
          public static void main(String[] args){
                                                                                           /f/mygit/second_git_repos/first <mark>(maste</mark>r
                               iv } $ git add . test.txt
      c. 上传, 同步到服务器, push->推送
                   git pusk https://gitee.com/videjin/first.git
                 S pit push https://gitee.com/videjin/inst.git
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 4 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (6/6), 587 bytes | 293.00 KiB/s, done.
Writing objects: 100% (6/6), 587 bytes | 293.00 KiB/s, done.
Total 6 (delta 1), reused 0 (delta 0)
remote: Powered by GITEE.COM [GNK-5.0]
To https://gitee.com/videjin/first.git
19bd067, d7f5bae master -> master
Pro 4 main+ W 沙夏右房了不田Jone 田山山、地図
      d、从服务区拉取到本地,这是有库了不用clone,用pull->拉取
                                                                                                    git_repos/first (master)
                  LenovowDESKTOP-IJBDON/ MINGW64 /T/Myqlt/second_glt_repos/firsts

$ git pull https://gitee.com/videjin/first.git

remote: Enumerating objects: 21, done.

remote: Counting objects: 100% (21/21), done.

remote: Compressing objects: 100% (18/18), done.

remote: Total 20 (delta 5), reused 0 (delta 0), pack-reused 0

Unpacking objects: 100% (20/20), done.

From https://gitee.com/videjin/first

* branch HEAD -> FETCH_HEAD
                  * branch HEAD
Updating d7f5bae..e40018e
                  create mode 100644 "01\345\274\200\345\217\221\345\272\223Development Librar
                 evelopmentLibrary.txt"
create mode 100644 "02\345\217\227\346\216\247\345\272\223Controlled Library
4、创建远程库地址别名(用的少)
             i、git remote -v 查看当前所有远程地址别名
                                                                            /f/mygit/second_git_repos/first (master
                        $ git remote -v
                        origin https://gitee.com/videjin/first.git (fetch) https://gitee.com/videjin/first.git (push) https://gitee.com/videjin/first.git (push)
                  2) 原来推送的时候是
```

```
a)-git-push-https://gitee.com/videjin/first.git-master
                      b) 改了别名之后 别名可以代替路径地址
           ii. git remote add 别名 远程地址(添加别名)
                          $ git remote add my_first https://gitee.com/videjin/first.git
                           Lenovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/second_git_repos/first (master)
                          iii._git remote remove 别名(删除别名)
                              @DESKTOP-IJBDON7 MINGW64 /f/mygit/second_git_repos/first (master)
                    Lenovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/second_git_repos/first (master)
$ git remote remove my_first
                       enovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/second_git_repos/first (master)
                    $ git remote -v
origin https://gitee.com/videjin/first.git (fetch)
origin https://gitee.com/videjin/first.git (push)
5、解决冲突
     a. 要占
          i. 如果不是基于GitHub远程库的最新版所做的修改,不能推送,必须先拉取。
          ii. 拉取下来后如果进入冲突状态,则修改->add->commit即可。
           i、本地进行修改并更新版本,但不上传到服务器
                                                                64 /f/mygit/second_git_repos/first (master
                      01开发库Development Library'/ '03基线库Baseline Library'/
'02受控库Controlled Library'/ README.en.md
                      enovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/second_git_repos/first (master)
                     $ vim test.txt
                      .enovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/second_git_repos/first (master)
                    S git add test.txt
warning: LF will be replaced by CRLF in test.txt.
The file will have its original line endings in your working directory
                      Lenovo@DESKTOP-IJBDON7 MINGw64 /f/mygit/second_git_repos/first (master)
$ git commit -m "test.txt commit1"
[master b06aed3] test.txt commit1
1 file changed, 1 insertion(+), 1 deletion(-)
                      enovo@DESKTOP-IJBDON7 MINGWE
           市、服务器端进行修改
                      少代码 ② Issues ⑥ $\mathbb{R}$ Pull Requests ⑥ ⑥ 附件 ⑥ 图 Wiki ⑥ 灿 统计 ○ DevOps ▼ 小服务 ▼ 見管理
                     first / test.txt
                                                                   提示: 输入 / 可以将文件创建到新文件夹下
                          1 public class Test{
                              public static void main(String[] args){
                1)
                                     System.out.println("World!");
                          6 }
          iii、本地和服务器版本冲突
                     S git push https://gitee.com/videjin/first.git
To https://gitee.com/videjin/first.git
[rejected] master -> master (fetch first)
                    hint: Updates were rejected because the remote contains work that you do hint: not have locally. This is usually caused by another repository pushing hint: to the same ref. You may want to first integrate the remote changes hint: (e.g., 'git pull ...') before pushing again. hint: See the 'Note about fast-forwards' in 'git push --help' for details.
                    Lenovo@DESKTOP-IJBDON7 MINGw64 /f/mygit/second_git_repos/firs
$ git pull https://gitee.com/videjin/first.git
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), done.
From https://gitee.com/videjin/first

* branch

HEAD

-> FETCH_HEAD
Auto_merging test txt
                                                                                       nd_git_repos/first (master)
                     Auto-merging test.txt
```

```
d_git_repos/first (master)
     Lenovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/second_git_repos/firs
§ git pull https://gitee.com/videjin/first.git
lenote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), done.
From https://gitee.com/videjin/first
* branch HEAD -> FETCH HEAD
                                          HEAD
                                                               -> FETCH_HEAD
      Auto-merging test.txt
CONFLICT (content): Merge conflict in test.txt
Automatic merge <u>failed;</u> fix conflicts and then commit the result.
       enovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/second_git_repos/first (master|MERGING).
     public static void main(String[] args){
       CCCCC HEAD
                                 System.out.println("hello!");
       System.out.println("World!");
>>>>> 77df8a6b133a45118f9a74e4e4c1e92eda635499
4) 要进行合并,直接自己手动改成认为对的,删去另一部分,再上传就可以
5) merging是创建了一个分支,等你合并之后就回到冲突分支(这里是主分支)
               vim test.txt
              enovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/second_git_repos/first (master|MERGING)
            $ git add test.txt
            Lenovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/second_git_repos/first (master<mark>|MERGING)</mark>
$ git commit -m "test.txt mergel"
[master 195b3b1] test.txt mergel
              enovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/second_git_repos/first (master)
            Lenovo@DESKTOP-IJBDON7 MINGw64 /f/mygit/second_git_repos/first (master)
$ git push https://gitee.com/videjin/first.git
Enumerating objects: 10, done.
Counting objects: 100% (10/10), done.
Delta compression using up to 4 threads
Compressing objects: 100% (6/6), done.
writing objects: 100% (6/6), 6½0 bytes | 305.00 KiB/s, done.
Total 6 (delta 3), reused 0 (delta 0)
remote: Powered by GITEE.COM [GNK-5.0]
To https://gitee.com/videjin/first.git
77df8a6..195b3b1 master -> master
               test.txt 101 Bytes
               VideJin 提交于 2分钟前, test.txt merge1
                      public class Test{
                          public static void main(String[] args){
                               System.out.println("hello!")
     test.txt mergel
6}
     commit 77df8a6b133a45118f9a74e4e4c1e92eda635499
Author: VideJin <jarcony@163.com>
Date: Fri Jun 26 09:18:15 2020 +0800
            update test.txt.
      a) 但凡合并都开了临时分支,一但合并就回到原来分支上
```

分区 git 的第 17 页

b) 合并分支将下边的分支进行合并(从log中体现)

```
commit 195b3b1c7bd6bb71470322425f5bd79960d0b0fb (HEAD ->
Merge: [b06aed3]77df8a6]
Author: videjin <jarcony@163.com>
Date: Fri Jun 26 09:29:37 2020 +0800
                                          test.txt mergel
                                    commit 77df8a6b133a45118f9a74e4e4c1e92eda635499
Author: VideJin <jarcony@163.com>
Date: Fri Jun 26, 09:18:15 2020 +0800
                                         update test.txt.
                                    commit b06aed34623ff2a5d128d3385ef64a277c2b2d84
Author: videjin <jarcony@163.com>
Date: Fri Jun 26 09:16:16 2020 +0800
                                          test.txt commit1
                                      ommit e40018e35a18ccba55052eeae92bbe03feadb08d
                                    Author: VideJin <jarcony@163.com>
Date: Thu Jun 25 21:20:08 2020 +0800
                 7}
6、远程仓库创建分支
     a. 可在本地创建分支,然后push到服务器端,服务器端的分支与主分支相同,因为相当于副本
                  enovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/second_git_repos/first (master)
                 $ git branch b1
                  .enovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/second_git_repos/first (master)
                   git branch -v
bl 195b3bl test.txt mergel
master 195b3bl [ahead 11] test.txt mergel
                  enovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/second_git_repos/first (master)
                  git checkout b1
                  witched to branch 'b1'
                Lenovo@DESKTOP-IJBDON7 MINGw64 /f/mygit/second_git_repos/first (b1)
$ [git push https://gitee.com/videjin/first.git
Total 0 (delta 0), reused 0 (delta 0)
remote: Powered by GITEE.COM [GNK-5.0]
remote: Create a pull request for 'b1' on Gitee by visiting:
remote: https://gitee.com/videjin/first/pull/new/videjin:b1...videjin:master
To https://gitee.com/videjin/first.git
* [new branch] b1 -> b1
                   enovo@DESKTOP-IJBDON7 MINGW64 /f/mygit/second_git_repos/first (b1)
     b. 分支文件合并
                             囘 12 次提交
                                                               % 2 个分支
                    master • first / test.txt
                       test.txt 101 Bytes
                       VideJin 提交于 40分钟前, test.txt merge1
            ī.
                             public class Test{
                                 public static void main(String[] args){
                        b1 =
                                first / test.txt
                         test.txt 107 Bytes
                         VideJin 提交于 2分钟前, test.txt
            jj.
                               public class Test{
                                   public static void main(String[] args){
                                       System.out.println("hello world!")
           iii. 切换到需要的分支<mark>git checkout</mark> master
                       S git checkout master
Switched to branch 'master'
Your branch is ahead of 'origin/master' by 11 commits.
(use "git push" to publish your local commits)
           iv、然后进行合并
```

1) 这样只是删除了本地的分支,远程仓库的分支还在



2) 不能本地删除远程的分支,只能在远程服务端进行删除

IDEA中操作git

2020年6月22日 10:50

1、服务器端创建一个新的仓库

