[root@localhost leif]# mkdir test

[root@localhost leif]# cd test/

[root@localhost test]# git init // 初始化仓库

Initialized empty Git repository in /home/leif/test/.git/

[root@localhost test]# git config --global user.name "Leif" //设置作者姓名

[root@localhost test]# git config --global user.mail [halocallus@gmail.com](mailto:halocallus@gmail.com) //设置作者邮箱

[root@localhost test]# git config --global alias.it init //设置命令别名

[root@localhost test]# touch practiceGit //创建文件

[root@localhost test]# vim practiceGit //编辑文件

[root@localhost test]# git diff //比较两个版本的差异

//working Aera（工作区） 挪到 staging Aera（暂存区）

[root@localhost test]# git add practiceGit

[root@localhost test]# git status //查看编辑的文件的状态

# On branch master

#

# Initial commit

#

# Changes to be committed:

# (use "git rm --cached <file>..." to unstage)

#

# new file: practiceGit

#

//从暂存区上传到仓库 -m “字符串“ 提示此次更改的目的

[root@localhost test]# git commit -m "add practiceGit"

[master (root-commit) cac2d30] add practiceGit

Committer: Leif <root@localhost.localdomain>

Your name and email address were configured automatically based

on your username and hostname. Please check that they are accurate.

You can suppress this message by setting them explicitly:

git config --global user.name "Your Name"

git config --global user.email you@example.com

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 1 insertion(+)

create mode 100644 practiceGit

[root@localhost test]# git status

# On branch master

nothing to commit, working directory clean //更改的文件已经长传完毕，工作区没文件

[root@localhost test]# git log //更改的记录

commit cac2d3014e21727e3390335afd52ec1cfb13be5b //版本号

Author: Leif <root@localhost.localdomain>

Date: Wed Aug 15 00:29:36 2018 +0800

add practiceGit

[root@localhost test]# git show cac2d3014e21727e3390335afd52ec1cfb13be5b

commit cac2d3014e21727e3390335afd52ec1cfb13be5b

Author: Leif <root@localhost.localdomain>

Date: Wed Aug 15 00:29:36 2018 +0800

add practiceGit

diff --git a/practiceGit b/practiceGit

new file mode 100644

index 0000000..4755373

--- /dev/null

+++ b/practiceGit

@@ -0,0 +1 @@

+hello Git!

[root@localhost test]# vim practiceGit //再次修改文件

[root@localhost test]# git diff //比较工作区和仓库文件的不同点

diff --git a/practiceGit b/practiceGit

index 4755373..849827a 100644

--- a/practiceGit

+++ b/practiceGit

@@ -1 +1,2 @@

hello Git!

+I must master you!

[root@localhost test]# git add practiceGit // 保存到暂存区

//从暂存区上传到仓库，不带-m参数，说明提示信息过长，进入文件编辑

[root@localhost test]# git commit

[master 58c5bde] I have alert practiceGit!

Committer: Leif <root@localhost.localdomain>

Your name and email address were configured automatically based

on your username and hostname. Please check that they are accurate.

You can suppress this message by setting them explicitly:

git config --global user.name "Your Name"

git config --global user.email you@example.com

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 1 insertion(+)

[root@localhost test]# git status

# On branch master

nothing to commit, working directory clean

[root@localhost test]# git log

commit 58c5bde92a7b2bdc778e1c89c735d76e57ad8d07

Author: Leif <root@localhost.localdomain>

Date: Wed Aug 15 00:33:41 2018 +0800

I have alert practiceGit!

commit cac2d3014e21727e3390335afd52ec1cfb13be5b

Author: Leif <root@localhost.localdomain>

Date: Wed Aug 15 00:29:36 2018 +0800

add practiceGit

//展示此版本号和上一版本号的修改的地方

[root@localhost test]# git show 58c5bde92a7b2bdc778e1c89c735d76e57ad8d07

commit 58c5bde92a7b2bdc778e1c89c735d76e57ad8d07

Author: Leif <root@localhost.localdomain>

Date: Wed Aug 15 00:33:41 2018 +0800

I have alert practiceGit!

diff --git a/practiceGit b/practiceGit

index 4755373..849827a 100644

--- a/practiceGit

+++ b/practiceGit

@@ -1 +1,2 @@

hello Git!

+I must master you!

[root@localhost test]# vim practiceGit

//-a 将所有修改的内容从工作区直接上传到仓库，不经过暂存区

[root@localhost test]# git commit -a -m "try to commit all at once"

[master a83bc93] try to commit all at once

Committer: Leif <root@localhost.localdomain>

Your name and email address were configured automatically based

on your username and hostname. Please check that they are accurate.

You can suppress this message by setting them explicitly:

git config --global user.name "Your Name"

git config --global user.email you@example.com

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 1 insertion(+)

[root@localhost test]# git status

# On branch master

nothing to commit, working directory clean

[root@localhost test]# git log

commit a83bc936bbff44f7aa9be79c0a6cd4e9235a61b2

Author: Leif <root@localhost.localdomain>

Date: Wed Aug 15 00:37:17 2018 +0800

try to commit all at once

commit 58c5bde92a7b2bdc778e1c89c735d76e57ad8d07

Author: Leif <root@localhost.localdomain>

Date: Wed Aug 15 00:33:41 2018 +0800

I have alert practiceGit!

commit cac2d3014e21727e3390335afd52ec1cfb13be5b

Author: Leif <root@localhost.localdomain>

Date: Wed Aug 15 00:29:36 2018 +0800

add practiceGit

[root@localhost test]# git show a83bc936bbff44f7aa9be79c0a6cd4e9235a61b2

commit a83bc936bbff44f7aa9be79c0a6cd4e9235a61b2

Author: Leif <root@localhost.localdomain>

Date: Wed Aug 15 00:37:17 2018 +0800

try to commit all at once

diff --git a/practiceGit b/practiceGit

index 849827a..dcc8125 100644

--- a/practiceGit

+++ b/practiceGit

@@ -1,2 +1,3 @@

hello Git!

I must master you!

+goodbye Git!

//git clone 仓库地址 把远程仓库拷贝到本地“工作目录”

[root@localhost test]# git clone https://github.com/wangwit/git\_lesson.git

Cloning into 'git\_lesson'...

remote: Counting objects: 108, done.

remote: Total 108 (delta 0), reused 0 (delta 0), pack-reused 108

Receiving objects: 100% (108/108), 10.14 KiB | 0 bytes/s, done.

Resolving deltas: 100% (23/23), done.

----------------------------------------------------------------------------------------------------

工作区（working Aera） 暂存区（stating Aera） repository（仓库）

在工作区修改仓库的文件，确定修改好了，可以上传到暂存区，等到所有的文件都修改完毕，再把暂存区的所有内容上传到仓库。

也可以在工作区修改，修改完毕直接把所有文件上传到仓库，但是这样容易把工作区无关紧要的文件也上传到仓库，所以最好分两步上传到仓库。

创建仓库

cd /home/leif

touch test

cd test

git init

git config --global user.name "leif"

git config --global user.mail "halocallus@gmail.com"

git --global alias.it init

touch practiceGit

vim practiceGit

git diff

git add practiceGit

git status

git commit -m "add practiceGit"

git status

git log

git show 版本号

vim practiceGit

git status

git diff

git add practiceGit

git commit

git status

git log

git show