

Bug分支

我们在开发分支上正常开发，这个是master分支上有个bug需要我们紧急修复一下，这个时候就需要用到临时Bug分支，但是我们开发还没有完成，还不能提交，这个时候我们可以把我们的工作环境隐藏起来。

```
git stash
```

```
# liyang @ liyangdeMacBook-Pro in ~/Desktop/project on git:master o [22:08:58]
$ git checkout dev
Switched to branch 'dev'

# liyang @ liyangdeMacBook-Pro in ~/Desktop/project on git:dev o [22:09:01]
$ vi 1.txt

# liyang @ liyangdeMacBook-Pro in ~/Desktop/project on git:dev x [22:09:33]
$ cat 1.txt
这是一个Git测试
这是修改内容
我又修改了内容
这是我再dev分支上加的内容
我再dev上修改内容了哈哈，
我正在修改内容,master突然出了一个紧急bug

# liyang @ liyangdeMacBook-Pro in ~/Desktop/project on git:dev x [22:09:35]
$ git stash
Saved working directory and index state WIP on dev: 9ed06c6 我再dev加了内容

# liyang @ liyangdeMacBook-Pro in ~/Desktop/project on git:dev o [22:10:09]
$ git status
On branch dev
nothing to commit, working tree clean

# liyang @ liyangdeMacBook-Pro in ~/Desktop/project on git:dev o [22:10:14]
$
```

通过命令，可以把当前的工作隐藏起来。修复完bug会回来继续开发。

通过创建hot_fix分支来修改master分支，修复完成后，在提交到master上。

```
# liyang @ liyangdeMacBook-Pro in ~/Desktop/project on git:hot_fix o [22:11:47]
$ vi 1.txt

# liyang @ liyangdeMacBook-Pro in ~/Desktop/project on git:hot_fix x [22:12:03]
$ git add 1.txt

# liyang @ liyangdeMacBook-Pro in ~/Desktop/project on git:hot_fix x [22:12:20]
$ git commit -m '修复了master上的xxxx bug'
[hot_fix bcf87e1] 修复了master上的xxxx bug
Committer: 李阳 <liyang@liyangdeMacBook-Pro.local>
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. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

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

    git commit --amend --reset-author

1 file changed, 1 insertion(+)

# liyang @ liyangdeMacBook-Pro in ~/Desktop/project on git:hot_fix o [22:12:31]
```

```
# liyang @ liyangdeMacBook-Pro in ~/Desktop/project on git:dev o [22:11:01]
$ git checkout master
Switched to branch 'master'
Your branch is ahead of 'origin/master' by 4 commits.
(use "git push" to publish your local commits)

# liyang @ liyangdeMacBook-Pro in ~/Desktop/project on git:master o [22:11:19]
$ git checkout -b hot_fix
Switched to a new branch 'hot_fix'

# liyang @ liyangdeMacBook-Pro in ~/Desktop/project on git:hot_fix o [22:11:47]
$ vi 1.txt

# liyang @ liyangdeMacBook-Pro in ~/Desktop/project on git:hot_fix x [22:12:03]
$ git add 1.txt

# liyang @ liyangdeMacBook-Pro in ~/Desktop/project on git:hot_fix x [22:12:20]
$ git commit -m '修复了master上的xxxx bug'
[hot_fix bcf87e1] 修复了master上的xxxx bug
Committer: 李阳 <liyang@liyangdeMacBook-Pro.local>
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. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

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

    git commit --amend --reset-author

1 file changed, 1 insertion(+)

# liyang @ liyangdeMacBook-Pro in ~/Desktop/project on git:hot_fix o [22:12:31]
$
```

```
# liyang @ liyangdeMacBook-Pro in ~/Desktop/project on git:hot_fix o [22:14:11]
$ git checkout master
Switched to branch 'master'
Your branch is ahead of 'origin/master' by 4 commits.
(use "git push" to publish your local commits)

# liyang @ liyangdeMacBook-Pro in ~/Desktop/project on git:master o [22:14:15]
$ git merge hot_fix
Updating 1a83d47..bcf87e1
Fast-forward
 1.txt | 1 +
 1 file changed, 1 insertion(+)

# liyang @ liyangdeMacBook-Pro in ~/Desktop/project on git:master o [22:14:22]
$ git branch -d hot_fix
Deleted branch hot_fix (was bcf87e1).

# liyang @ liyangdeMacBook-Pro in ~/Desktop/project on git:master o [22:14:44]
$ cat 1.txt
这是一个Git测试
这是修改内容
我又修改了内容
这是我再dev分支上加的内容
我再master分支修改了内容哈哈
我再dev上修改内容了哈哈，
我把masterbug修改了

# liyang @ liyangdeMacBook-Pro in ~/Desktop/project on git:master o [22:14:52]
$
```

回到开发分支

```
git stash pop # 恢复隐藏内容并删除
```

```
# liyang @ liyangdeMacBook-Pro in ~/Desktop/project on git:master o [22:14:52]
$ git checkout dev
Switched to branch 'dev'

# liyang @ liyangdeMacBook-Pro in ~/Desktop/project on git:dev o [22:17:13]
$ git status
On branch dev
nothing to commit, working tree clean

# liyang @ liyangdeMacBook-Pro in ~/Desktop/project on git:dev o [22:17:17]
$ git stash list

# liyang @ liyangdeMacBook-Pro in ~/Desktop/project on git:dev o [22:17:47]
$ git stash pop
On branch dev
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:   1.txt

no changes added to commit (use "git add" and/or "git commit -a")
Dropped refs/stash#{} (cd8c4592ce0dbb729c0c43ac29cc36607056c351)

# liyang @ liyangdeMacBook-Pro in ~/Desktop/project on git:dev x [22:18:06]
$ git status
On branch dev
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:   1.txt

no changes added to commit (use "git add" and/or "git commit -a")

# liyang @ liyangdeMacBook-Pro in ~/Desktop/project on git:dev x [22:18:10]
$ cat 1.txt
这是一个Git测试
这是修改内容
我又修改了内容
这是我再dev分支上加的内容
我用dev上修改内容了哈哈。
我正在修改内容,master突然出了一个紧急bug

# liyang @ liyangdeMacBook-Pro in ~/Desktop/project on git:dev x [22:18:19]
$
```