

# GIT

HDC

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## 1 GIT

<http://roclinux.cn/wp-content/uploads/2010/12/centr-decentr.png>

## 2 origin“”master“”develop

<http://roclinux.cn/wp-content/uploads/2010/12/git-master-develop.png>

3 masterdevelop

4 “”

5 “”“”“”“BUG”

6 “”“”

7 “”“Feature branches”“Release branches”“Hotfix branches”

8 master/developfeature/release/hotfixes

<http://roclinux.cn/wp-content/uploads/2010/12/bigpicture-git-branch-all.png>

9 “Feature branches”developdevelop

10 “Feature branches”“develop”“Feature branches”“”

11 “Feature branches”“develop”

```
$ git checkout -b myfeature develop
```

12 “Feature branches”“develop”

```
$ git checkout develop
```

```
$ git merge --no-ff myfeature
```

```
--no-ffnot fast forwardgit mergefast forward merge commit
```

```
--no-ff “Feature branches”
```

```
$ git branch -d myfeature
```

```
$ git push origin develop
```

[http://my.oschina.net/uploads/space/2011/0128/105048\\_Vl2Q\\_98095.png](http://my.oschina.net/uploads/space/2011/0128/105048_Vl2Q_98095.png)

13 “Release branch” develo “develop” “master”  
“release-”

14 “Release branch” “”“bug”“”“develop”

15 “Release branch” “develop” “Feature branches”  
“develop”

16 “Relase branches”

```
$ git checkout -b release-1.2 develop
$ ./bump-version.sh 1.2 1.2 bump-version.sh
$ git commit -a -m "Bumped version number to 1.2"
```

17 “Release branches” bug “develop”

18 bug “Release branches” “Release branches”  
“master” master TAG “Release branches” “de-  
velop”

```
$ git checkout master
$ git merge --no-ff release-1.2
$ git tag -a 1.2 -u/-s/-a tag tag
$ git checkout develop
$ git merge --no-ff release-1.2
$ git branch -d release-1.2
```

19 “Hotfix branches” “master” “develop” “master”  
“hotfox-”

20 “Hotfix branches” “Release branch”GUG

21 “Hotfix branches” “develop” BUG

[http://my.oschina.net/uploads/space/2011/0128/105059\\_qY0H\\_98095.png](http://my.oschina.net/uploads/space/2011/0128/105059_qY0H_98095.png)

## 22 “Hotfix branches”

```
$ git checkout -b hotfix-1.2.1 master
$ ./bump-version.sh 1.2.1
$ git commit -a -m "Bumprt version to 1.2.1"
$ git commit -m "Fixed severe production problem"
```

## 23 BUG “Hotfix branches” “master” “develop”

```
$ git checkout master
$ git merge --no-ff hotfix-1.2.1
$ git tag -a 1.2.1
$ git checkout develop
$ git merge --no-ff hotfix-1.2.1
$ git branch -d hotfix-1.2.1
```