

git/repo配置

安装git

已知ubuntu14.04使用的git（版本1.9）版本过低，配合gerrit（版本2.12）使用有bug，请安装最新的git，命令如下：

```
$ sudo add-apt-repository ppa:git-core/ppa
$ sudo apt-get update
$ sudo apt-get install git
$ git version
git version 2.11.0
```

PS. ubuntu 16.04官方源中的git无此问题，可直接使用`sudo apt-get install git`安装即可。

配置Git

请把下面的`yourname`替换为自己的名字。

```
$ git config --global user.email "yourname@droi.com"
$ git config --global user.name "yourname"
$ git config --global core.editor vim
```

参考：[更多配置](#)

生成ssh-key

请把下面的`yourname`替换为自己的名字。

```
$ ssh-keygen -t rsa -b 4096 -C "yourname@droi.com"
```

之后一直回车即可。执行完毕后生成`~/.ssh`目录，其中保存了一对秘钥

(id_rsa.pub为公钥, id_rsa为私钥)

参考[非对称加密的简单概念](#)

下载安装repo命令

```
$ mkdir ~/bin
$ PATH=~/bin:$PATH
$ curl http://192.168.0.193/packages/linux/repo >
~/bin/repo
$ chmod a+x ~/bin/repo
```

打开`~/.bashrc` (如果使用zsh, 请加入到`~/.zshrc`) , 添加如下行, 注意, 将`yourname`改成你的名字。

```
export
REPO_URL="ssh://yourname@10.20.40.19:29418/freemeos/git-
repo"
```

参考: [repo命令官方指南](#)

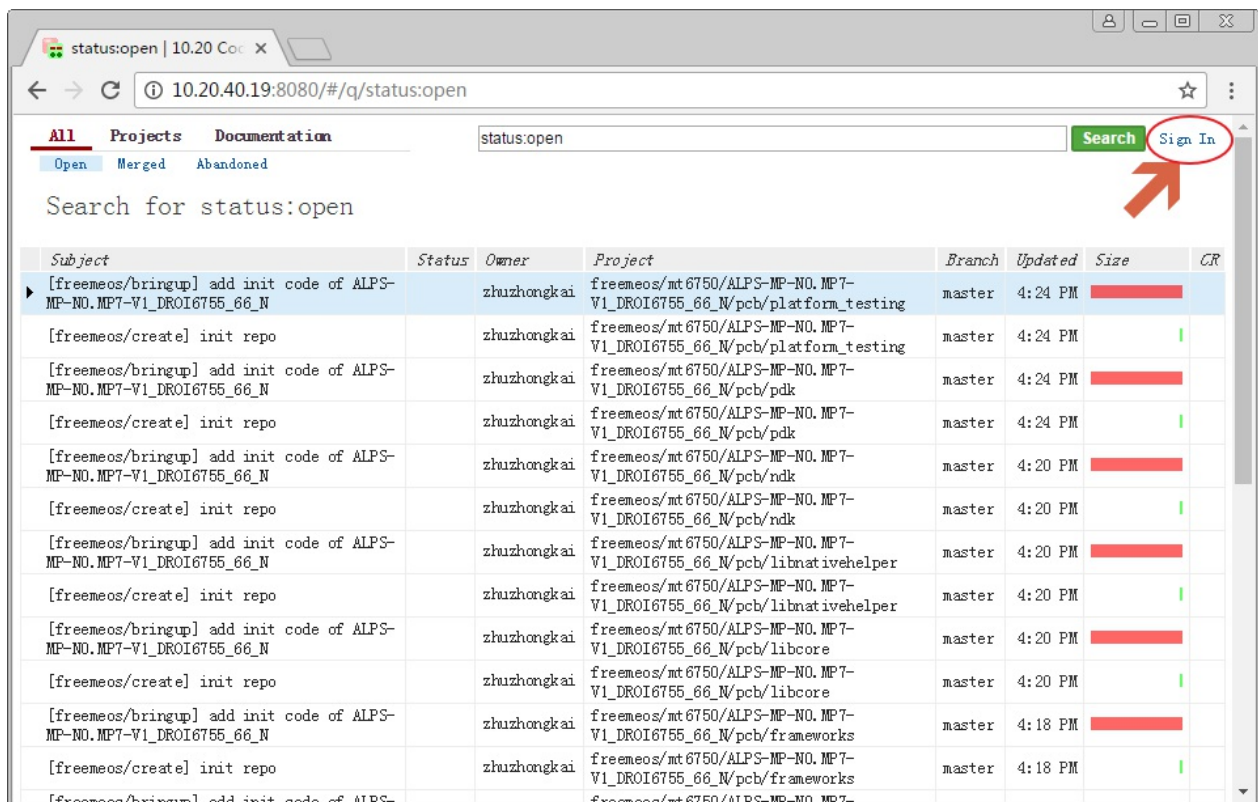
然后注销系统或者`source ~/.bashrc`确保`REPO_URL`生效。

配置gerrit

登陆

首先登陆gerrit, 公司内网地址: <http://10.20.40.19:8080>

说明: 目前测试发现使用IE浏览器以及360浏览器(兼容模式), 无法打开本页面, 请使用极速模式或更换chrome、firefox浏览器。



用户名与密码是公司域账号，用户名为名字全拼，密码默认是Droi*#2016，如果自己修改过域账号密码，请使用修改后密码登陆。



配置邮箱

status:open | 10.20 Coc x

10.20.40.19:8080/#/q/status:open

All My Projects People Documentation status:open Search gouzhouping

Open Merged Abandoned

Search for status:open

gouzhouping Settings Sign Out

Subject	Status	Owner	Project	Branch	Updated	Size	CR
[freemeos/create] init repo		zhuzhongkai	freemeos/mt6750/ALPS-MP-N0.MP7-V1_DROI6755_66_N/pcb/prebuilts	master	4:54 PM		
[freemeos/bringup] add init code of ALPS-MP-N0.MP7-V1_DROI6755_66_N		zhuzhongkai	freemeos/mt6750/ALPS-MP-N0.MP7-V1_DROI6755_66_N/pcb/platform_testing	master	4:24 PM		
[freemeos/create] init repo		zhuzhongkai	freemeos/mt6750/ALPS-MP-N0.MP7-V1_DROI6755_66_N/pcb/platform_testing	master	4:24 PM		
[freemeos/bringup] add init code of ALPS-MP-N0.MP7-V1_DROI6755_66_N		zhuzhongkai	freemeos/mt6750/ALPS-MP-N0.MP7-V1_DROI6755_66_N/pcb/pdk	master	4:24 PM		
[freemeos/create] init repo		zhuzhongkai	freemeos/mt6750/ALPS-MP-N0.MP7-V1_DROI6755_66_N/pcb/pdk	master	4:24 PM		
[freemeos/bringup] add init code of ALPS-MP-N0.MP7-V1_DROI6755_66_N		zhuzhongkai	freemeos/mt6750/ALPS-MP-N0.MP7-V1_DROI6755_66_N/pcb/ndk	master	4:20 PM		
[freemeos/create] init repo		zhuzhongkai	freemeos/mt6750/ALPS-MP-N0.MP7-V1_DROI6755_66_N/pcb/ndk	master	4:20 PM		
[freemeos/bringup] add init code of ALPS-MP-N0.MP7-V1_DROI6755_66_N		zhuzhongkai	freemeos/mt6750/ALPS-MP-N0.MP7-V1_DROI6755_66_N/pcb/libnativehelper	master	4:20 PM		
[freemeos/create] init repo		zhuzhongkai	freemeos/mt6750/ALPS-MP-N0.MP7-V1_DROI6755_66_N/pcb/libnativehelper	master	4:20 PM		
[freemeos/bringup] add init code of ALPS-MP-N0.MP7-V1_DROI6755_66_N		zhuzhongkai	freemeos/mt6750/ALPS-MP-N0.MP7-V1_DROI6755_66_N/pcb/libcore	master	4:20 PM		
[freemeos/create] init repo		zhuzhongkai	freemeos/mt6750/ALPS-MP-N0.MP7-V1_DROI6755_66_N/pcb/libcore	master	4:20 PM		
[freemeos/bringup] add init code of ALPS-MP-N0.MP7-V1_DROI6755_66_N		zhuzhongkai	freemeos/mt6750/ALPS-MP-N0.MP7-V1_DROI6755_66_N/pcb/frameworks	master	4:18 PM		
		zhuzhongkai	freemeos/mt6750/ALPS-MP-N0.MP7-V1_DROI6755_66_N/pcb/frameworks	master	4:18 PM		

10.20.40.19:8080/#/settings/

Settings | 10.20 Code R x

10.20.40.19:8080/#/settings/contact

All My Projects People Documentation Search term Search gouzhouping

Open Merged Abandoned

Settings

Profile Preferences Diff Preferences Edit Preferences Watched Projects Contact Information SSH Public Keys HTTP Password Identities Groups

Username gouzhouping

Full Name

Preferred Email Register New Email ...

Register Email Address

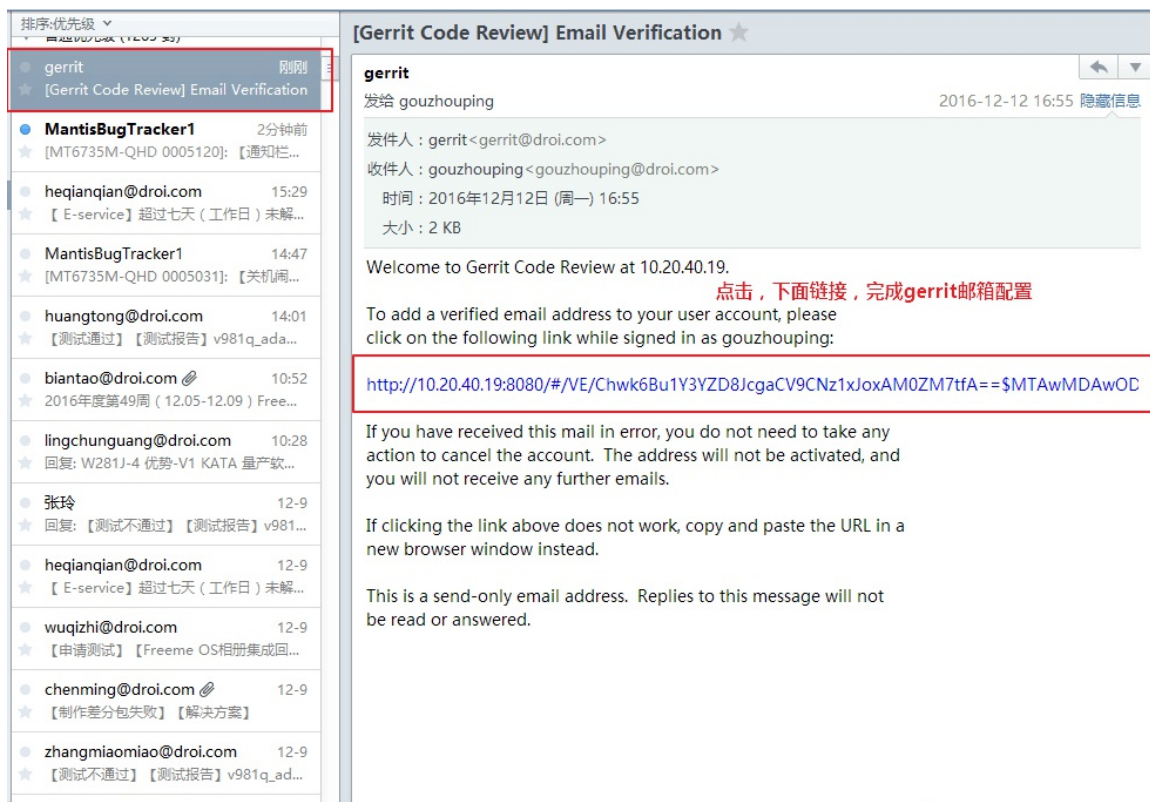
A confirmation link will be sent by email to this address.

You must click on the link to complete the registration and make the address available for selection.

gouzhouping@droi.com

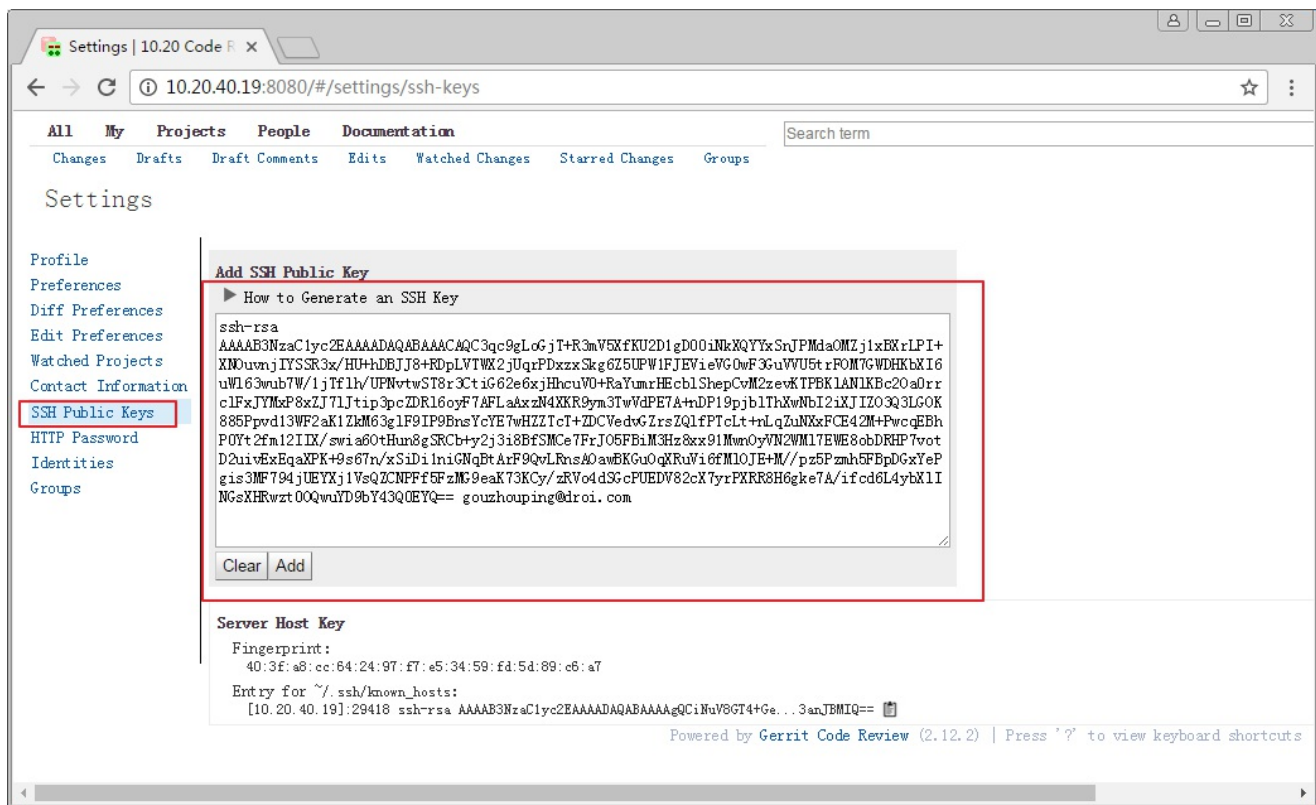
Register Cancel

Powered by Gerrit Code Review (2.12.2) | Press '?' to view keyboard shortcuts

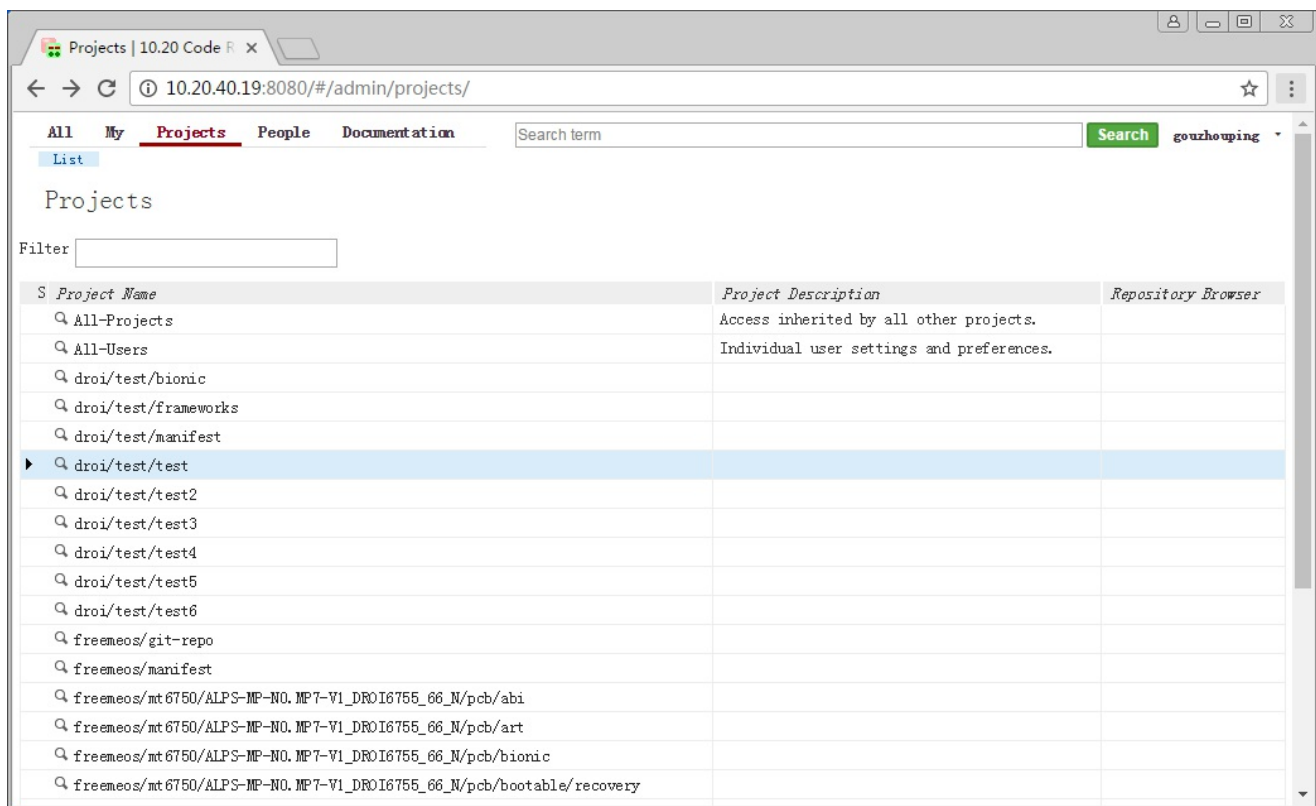


添加ssh-key

首先确保已经生成了ssh-key，如果未生成，请参考本文第一节生成。打开`~/.ssh/id_rsa.pub`文件（可在命令行执行`gedit ~/.ssh/id_rsa.pub`打开该文件），把其中全部内容配置到添加到gerrit的ssh-key中，如下图所示。可以配置多个ssh-key。



拉取项目测试





在ubuntu机器上打开终端，执行如下命令，将yourname修改为你自己的名字

```
$ git clone  
ssh://yourname@10.20.40.19:29418/droi/test/test && scp -p  
-P 29418 yourname@10.20.40.19:hooks/commit-msg  
test/.git/hooks/
```

修改代码后如何提交，以及git/repo/gerrit的基本工作流程，请参考[git-repo-quick-guide.md](#)文档。

参考文献

- [Pro.git官方中文版本](#)
- [Git与Repo入门](#)

FAQ

Q: git clone提示Permission denied (publickey)

```
$ git clone
ssh://yourname@10.20.40.19:29418/droi/test/test2
Cloning into 'packages'...
Permission denied (publickey).
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.
```

请做如下检查：

1. 确认已经安装了openssh-server, `sudo apt-get install openssh-server`
2. ssh-key已经生成, 且公钥 (~/.ssh/id_rsa.pub文件内容) 已经添加到gerrit的ssh key public页面。
3. git clone , url中的yourname是你本人的用户名

Q: git clone提示no matching key exchange method found

```
$ git clone
ssh://yourname@10.20.40.19:29418/droi/test/test2
Cloning into 'test2'...
Unable to negotiate with 10.20.40.19: no matching key
exchange method found. Their offer: diffie-hellman-group1-
sha1
fatal: Could not read from remote repository.
```

修改~/.ssh/config, 如果不存在则创建该文件, 确保该文件内容如下cat命令所示。

```
$ cat ~/.ssh/config
Host 10.20.40.19
    KexAlgorithms +diffie-hellman-group1-sha1
```


Q: git push出错error: unpack failed: error Missing tree ...

```
$ git push origin HEAD:refs/for/master
Counting objects: 1, done.
Writing objects: 100% (1/1), 223 bytes | 0 bytes/s, done.
Total 1 (delta 0), reused 0 (delta 0)
error: unpack failed: error Missing tree
261998b3bb6e7964f538ef9f5743fab5b0d044d5
fatal: Unpack error, check server log
To
ssh://zhuzhongkai@10.20.40.19:29418/droi/test/frameworks
! [remote rejected] HEAD -> refs/for/master (n/a
(unpacker error))
error: failed to push some refs to
'ssh://zhuzhongkai@10.20.40.19:29418/droi/test/frameworks'
```

请更新git版本，方法参考本文第一节。