Gerrit 使用手册

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Gerrit简介

Gerrit，一种免费、开放源代码的代码评审软件，使用网页界面。

利用网页浏览器，同一个团队的软件程序员，可以相互审阅彼此修改后的程序代码，决定是否能够提交，退回或者继续修改。

它使用Git作为底层版本控制系统。

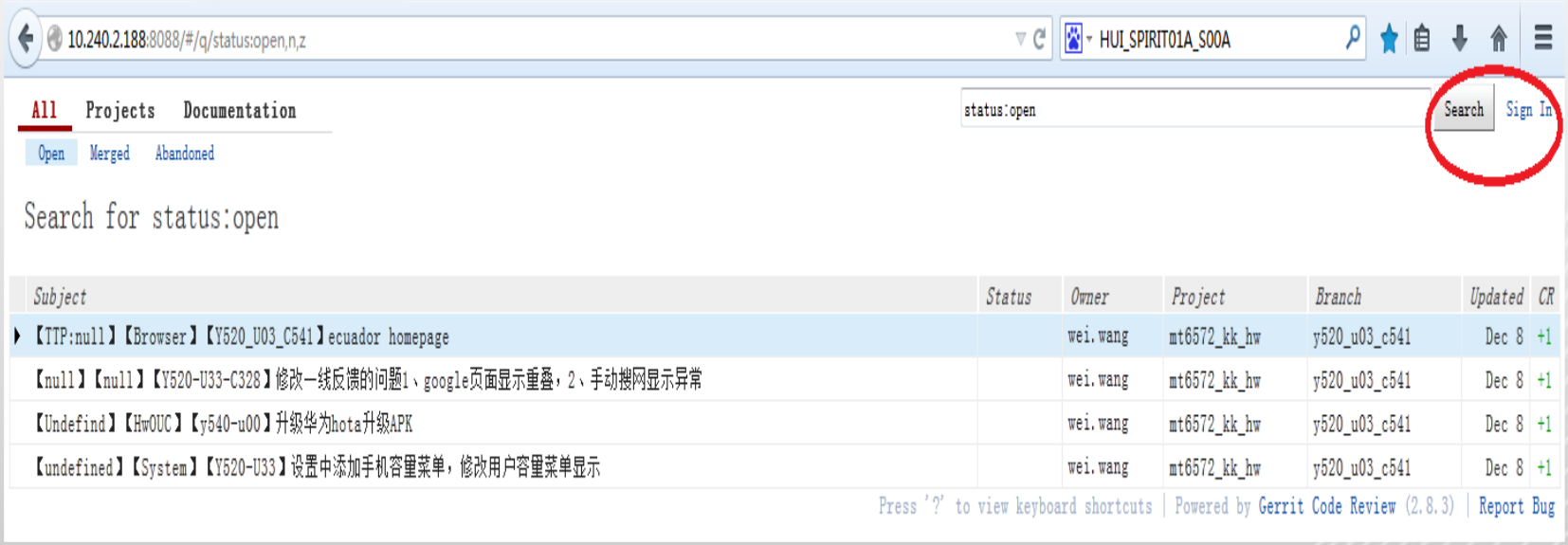
它分支自Rietveld，作者为Google公司的Shawn Pearce，原先是为了管理Android计划而产生。这个软件的名称，来自于荷兰设计师赫里特·里特费尔德（Gerrit Rietveld）。最早它是由Python写成，

在第二版后，改成用Java与SQL。使用Google Web Toolkit来产生前端的JavaScript

1.登录

1.gerrit web地址是:http://10.240.2.188:8088

2.请先登录系统,sign in

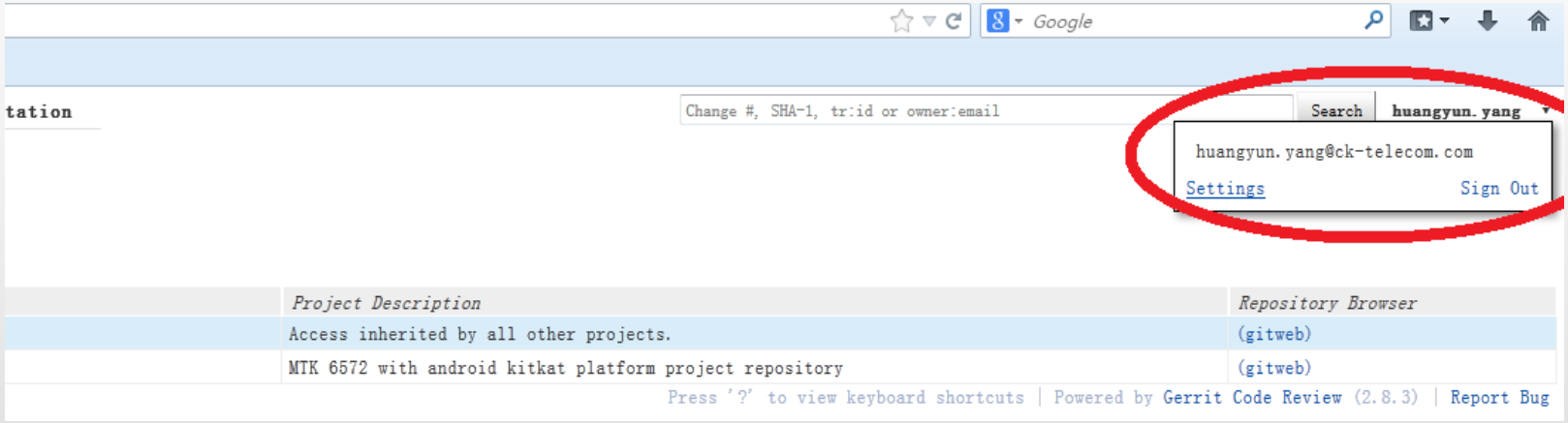


10.240.2.188:8088/login/q/status:open,n,z
Sign In to Gerrit Code Review at 10.240.2.188
Username
huangyun.yang
Password
Remember me
Sign In
Cancel

2首次登录系统参数设置

2.1添加公钥

点击右上角用户名右边下三角按钮，会出现 如下图的界面

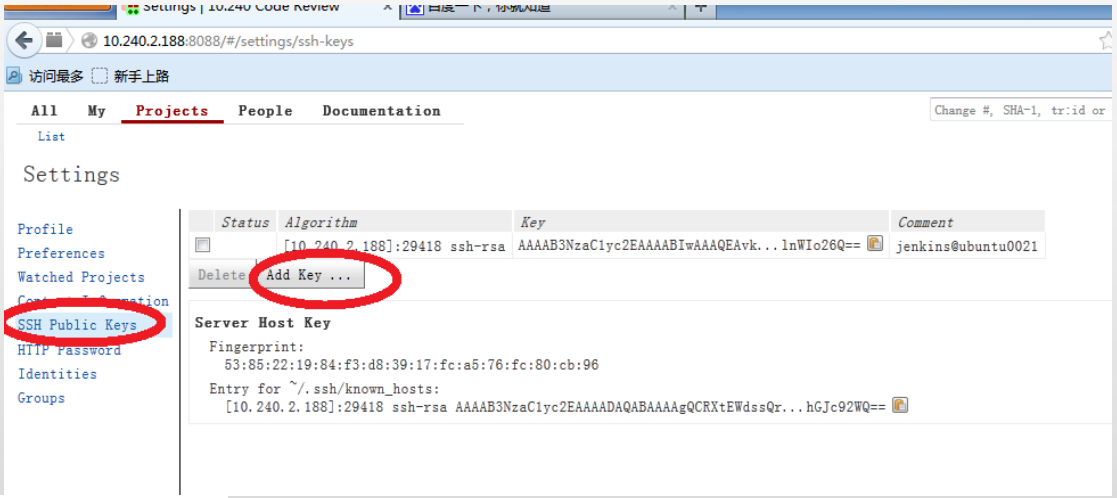


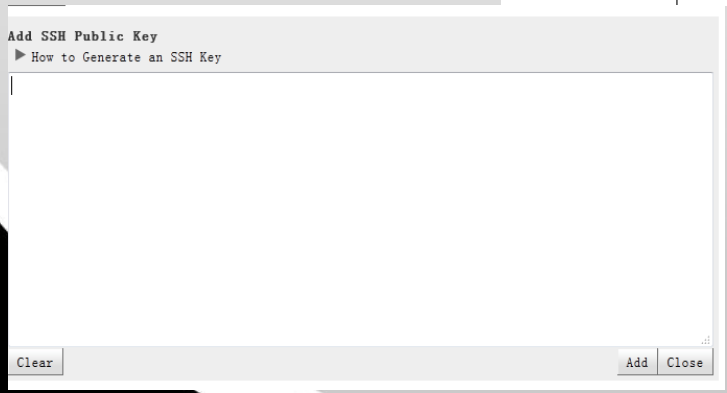
进入参数设置页面

点击左侧的 SSH Public Keys

点击Add Key，

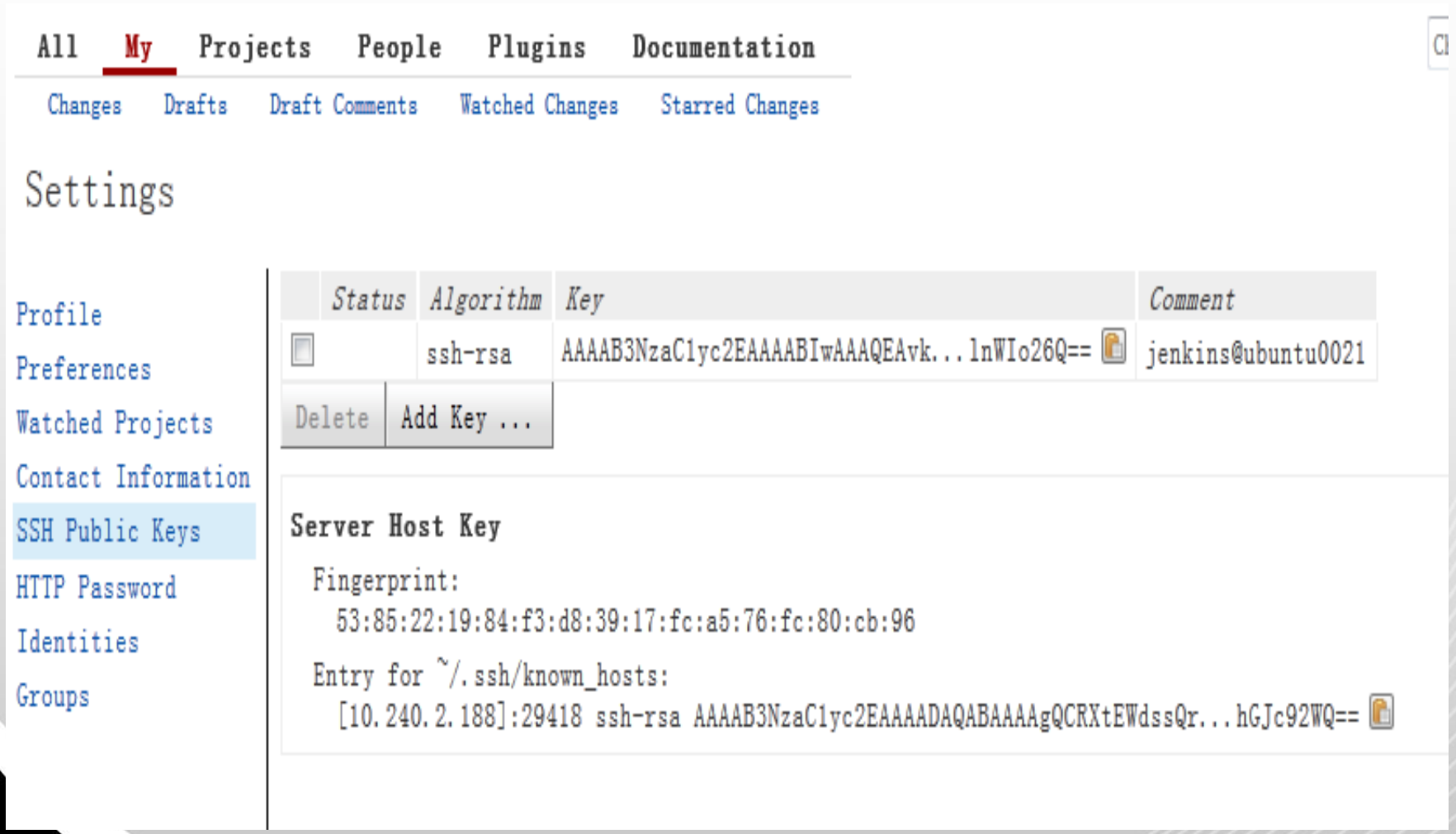
将你的公钥粘贴到文本框中





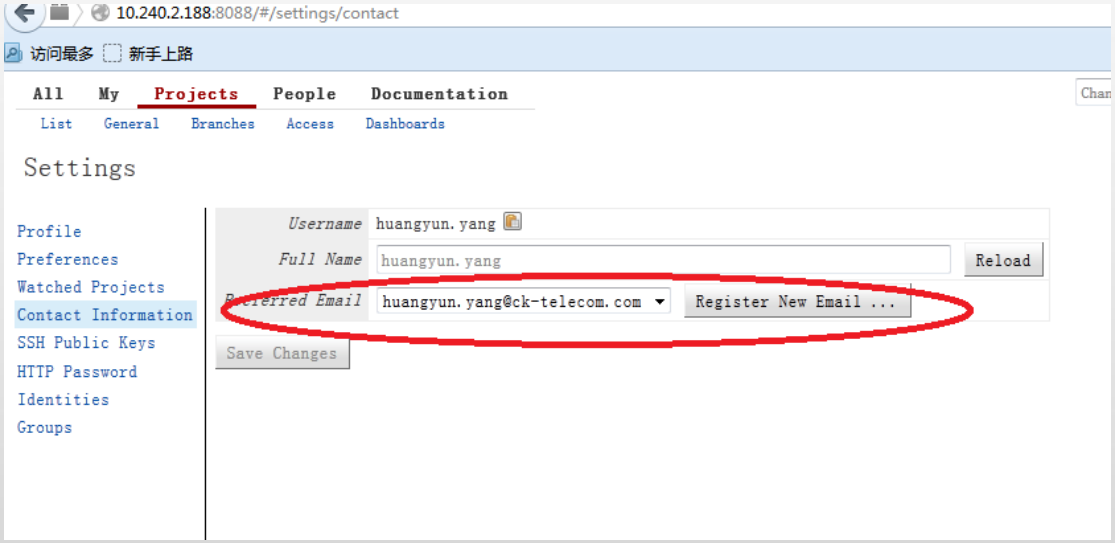
Settings
Profile
Preferences
Watched Projects
Contact Information
SSH Public Keys
HTTP Password
Identities
Groups
Status
Algorithm
Key
Comment
ssh-rsa
AAAAB3NzaC1yc2EAAAABIwAAAQEAvk...lnWIo26Q==
jenkins@ubuntu0021
Delete
Add SSH Public Key
How to Generate an SSH Key
[10.240.2.188]:29418 ssh-rsa
AAAAB3NzaC1yc2EAAAADAQABAAAAgQCRXtEWdssQrqXKQNCbOIfT+Axay/XYB98zuZmtXerfkR8Ta+i148Q
dhpkMgH2uyzUnKt4eWaXfCiVP9OrYfzMpI7vJOOUl+19EsIlej3NdBuKbXiRzp6+AMz0p87isAmauLNR
/lIEoCBIKubtD/xISG9dqDdS7va894ChGJc92WQ==
Clear
Add
Close

点击Add 即可


All
My
Projects
People
Plugins
Documentation
Changes
Drafts
Draft Comments
Watched Changes
Starred Changes
Settings
Profile
Preferences
Watched Projects
Contact Information
SSH Public Keys
HTTP Password
Identities
Groups
Status
Algorithm
Key
Comment
ssh-rsa
AAAAB3NzaC1yc2EAAAABIwAAAQEAvk...lnWIo26Q==
jenkins@ubuntu0021
Delete
Add Key ...
Server Host Key
Fingerprint:
53:85:22:19:84:f3:d8:39:17:fc:a5:76:fc:80:cb:96
Entry for ~/.ssh/known_hosts:
[10.240.2.188]:29418 ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAAAgQCRXtEWdssQr...hGJc92WQ==

2.2设置邮箱

Contact Information -> Register New Email,输入邮箱信息，以后有相关评审会邮件通知



2.3设置配置文件

请先配置\.ssh下面的config 文件，把下面的这段内容修改为你自己的内容添加到config文件后面

host codereview ===〉你想要的切容易记住的名称

user ming.xing==〉你的用户名

hostname 10.240.2.41 ==》gerrit 服务器的IP地址

port 29418 ==》ssh 使用的端口

identityfile ~/.ssh/huangyun.yang ====> 你的私钥名称

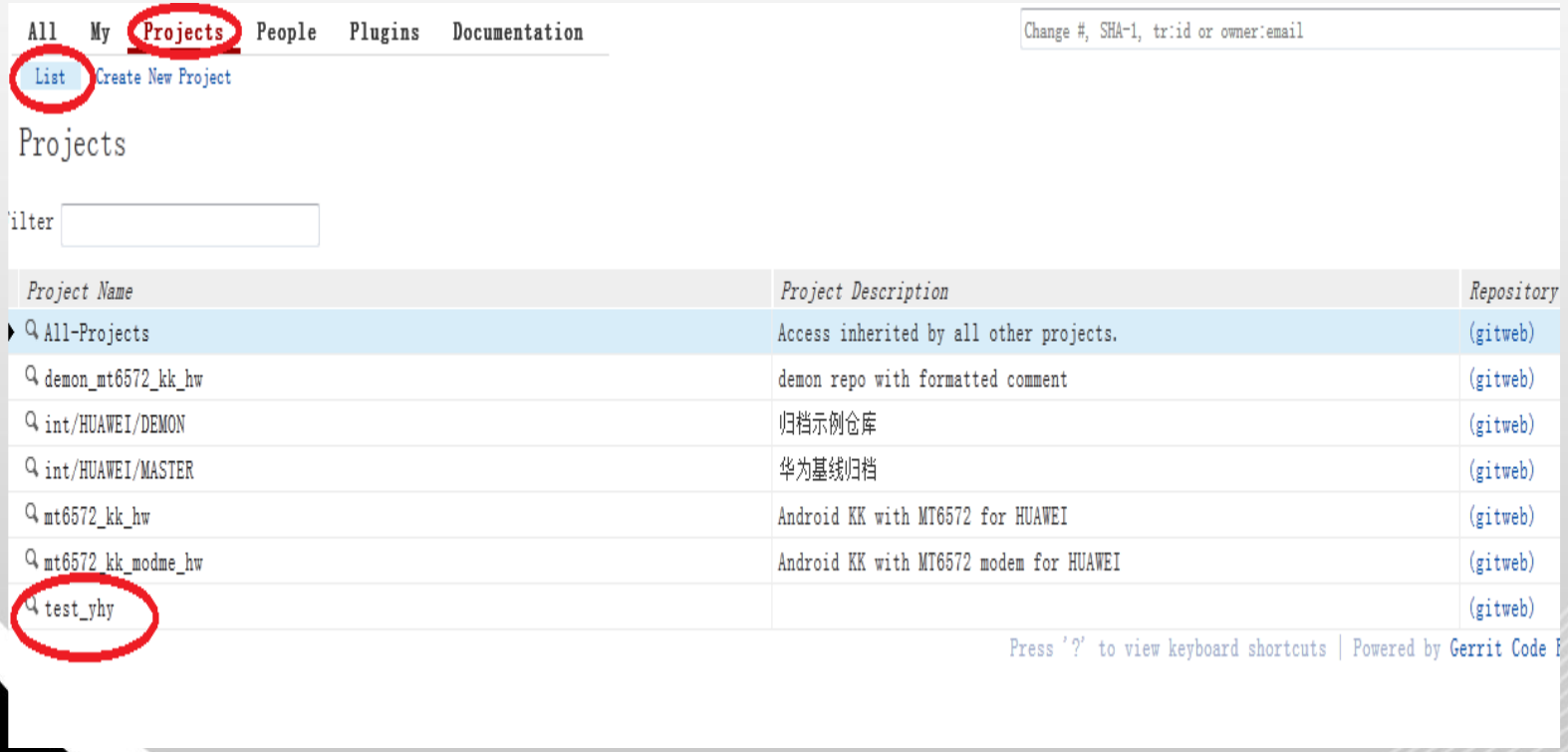
```
6  host codereview
7  user huangyun.yang
8  hostname  10.240.2.188
9  port 29418
0  identityfile ~/.ssh/huangyun.yang
```

3 下载代码

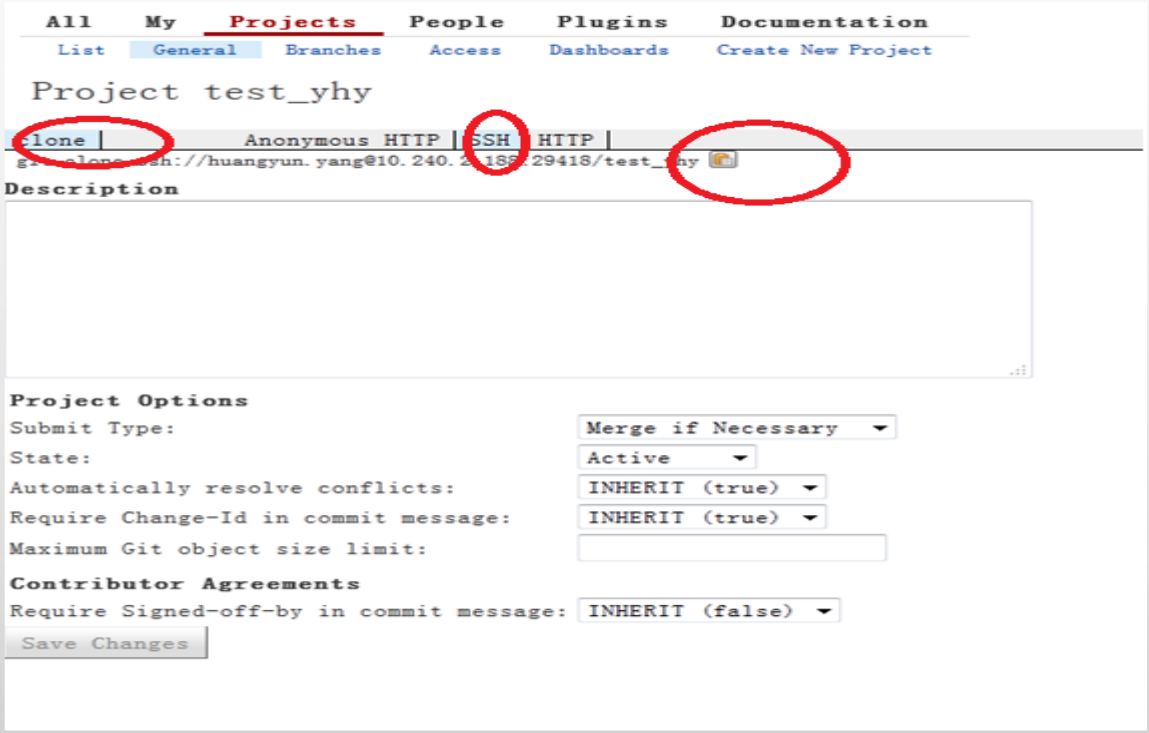
点击project -> List ,选择一个project,选择clone ,SSH

git clone ssh://huangyun.yang@10.240.2.188:29418/test_yhy

如果设置了config文件，就可以使用别名。



可以点击后面的复制按钮，复制整个clone 脚本



4.提交代码

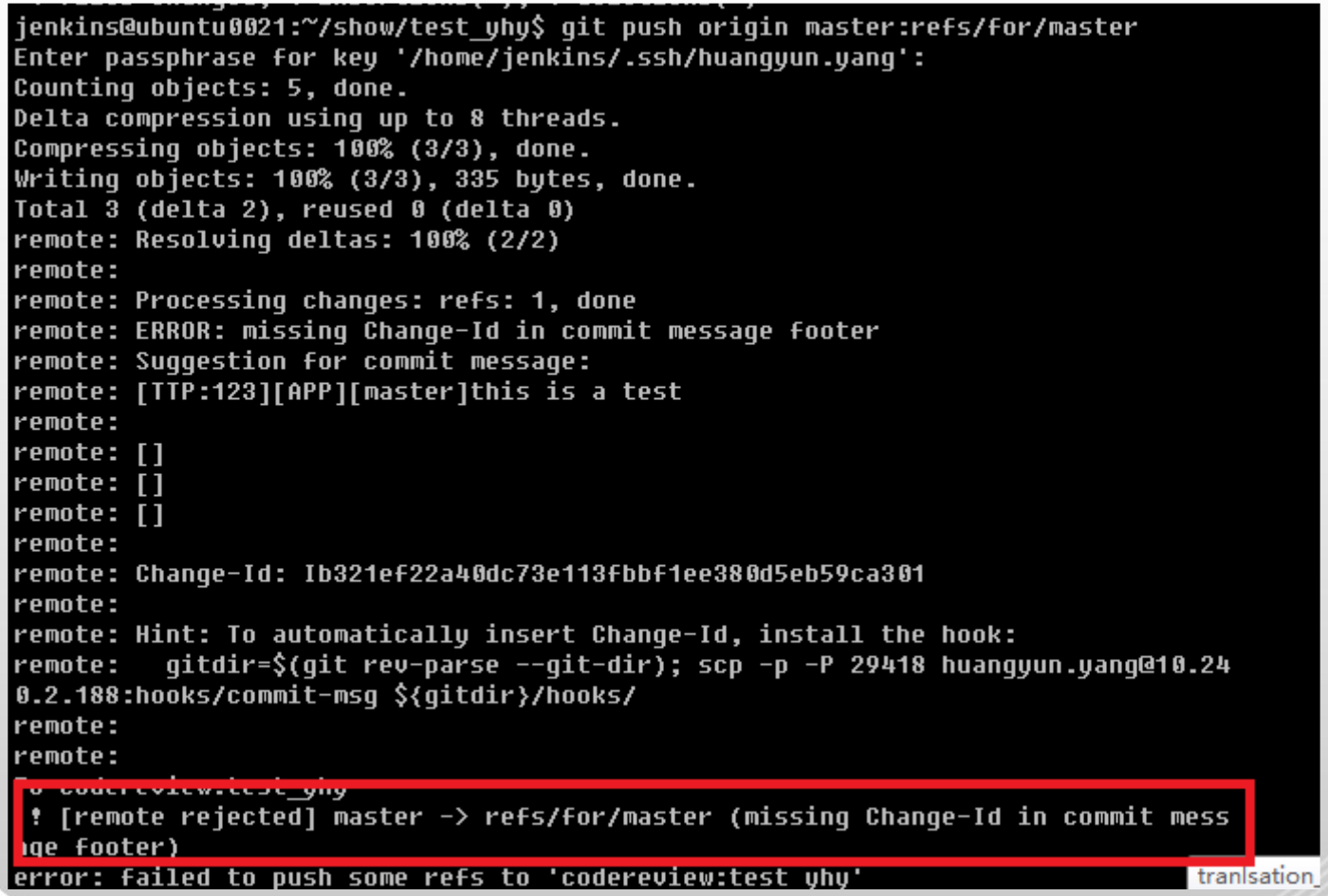
git add ,git commit,和git中使用的命令没有差异

在push的时候要使用git push origin 本地分支名称:refs/for/远程分支名称。

```
jenkins@ubuntu0021:~/show/test_yhy$ git push origin master:refs/for/master
```

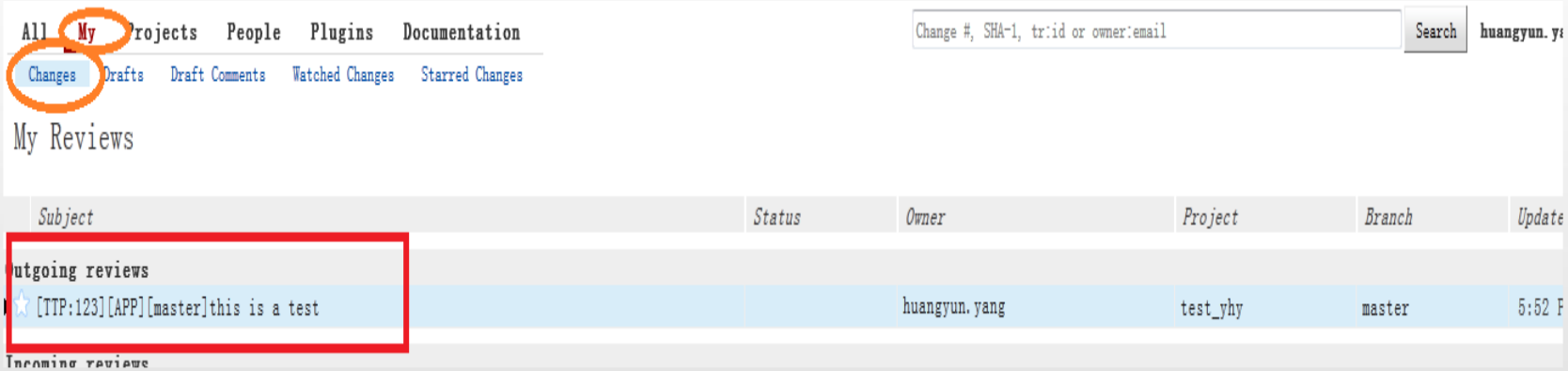
注： 在首次将仓库clone到本地，时候需要执行gitdir=$(git rev-parse --git-dir); scp -p -P 29418 huangyun.yang@10.240.2.188:hooks/commit-msg ${gitdir}/hooks/ 命令，这个指令将会从服务端cp 一个hooks放到本地仓库，用于添加每个commit的changed-id .否则在提交的时候就会提示如下错误：

```
jenkins@ubuntu0021:~/show/test_yhy$  gitdir=$(git rev-parse --git-dir); scp -p -P 29418 codereview:hooks/commit-msg ${gitdir}/hooks/
Enter passphrase for key '/home/jenkins/.ssh/huangyun.yang':
commit-msg
```


jenkins@ubuntu0021:~/show/test_yhy$ git push origin master:refs/for/master
Enter passphrase for key '/home/jenkins/.ssh/huangyun.yang':
Counting objects: 5, done.
Delta compression using up to 8 threads.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 335 bytes, done.
Total 3 (delta 2), reused 0 (delta 0)
remote: Resolving deltas: 100% (2/2)
remote:
remote: Processing changes: refs: 1, done
remote: ERROR: missing Change-Id in commit message footer
remote: Suggestion for commit message:
remote: [TTP:123][APP][master]this is a test
remote:
remote: []
remote: []
remote: []
remote:
remote: Change-Id: Ib321ef22a40dc73e113fbbf1ee380d5eb59ca301
remote:
remote: Hint: To automatically insert Change-Id, install the hook:
remote: gitdir=$(git rev-parse --git-dir); scp -p -P 29418 huangyun.yang@10.24
0.2.188:hooks/commit-msg ${gitdir}/hooks/
remote:
remote:
! [remote rejected] master -> refs/for/master (missing Change-Id in commit mess
age footer)
error: failed to push some refs to 'codereview:test_yhy'

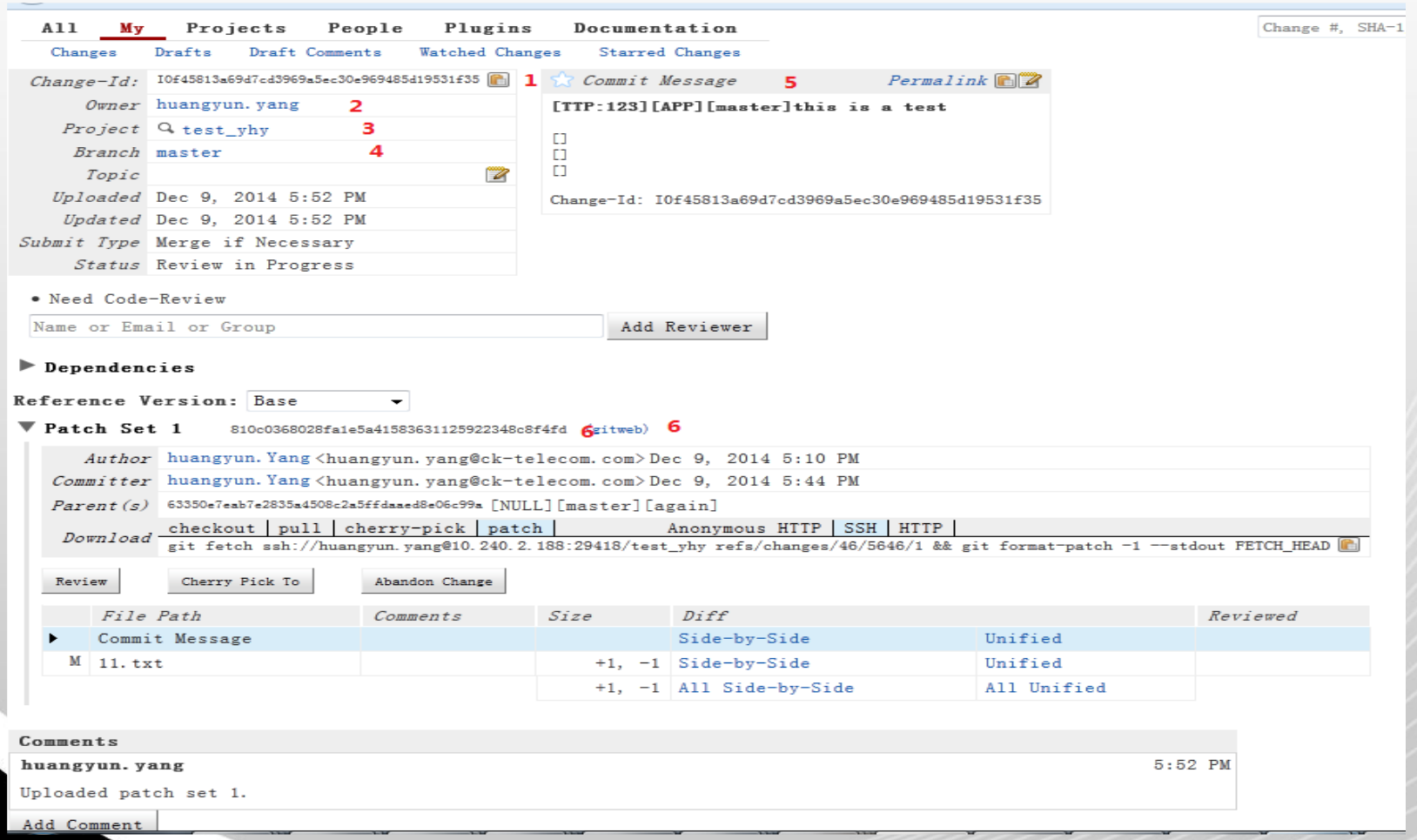
5.查看commit

点击 My-> changes,就可以看到自己提交的节点。



6页面详解

点击你提交的节点，看到如下图的页面



1.change-id :是gerrit系统的hooks自动生成的,是gerrit系统中唯一的ID

2.Owner: 是谁提交的

3.project: 是属于哪个代码仓库

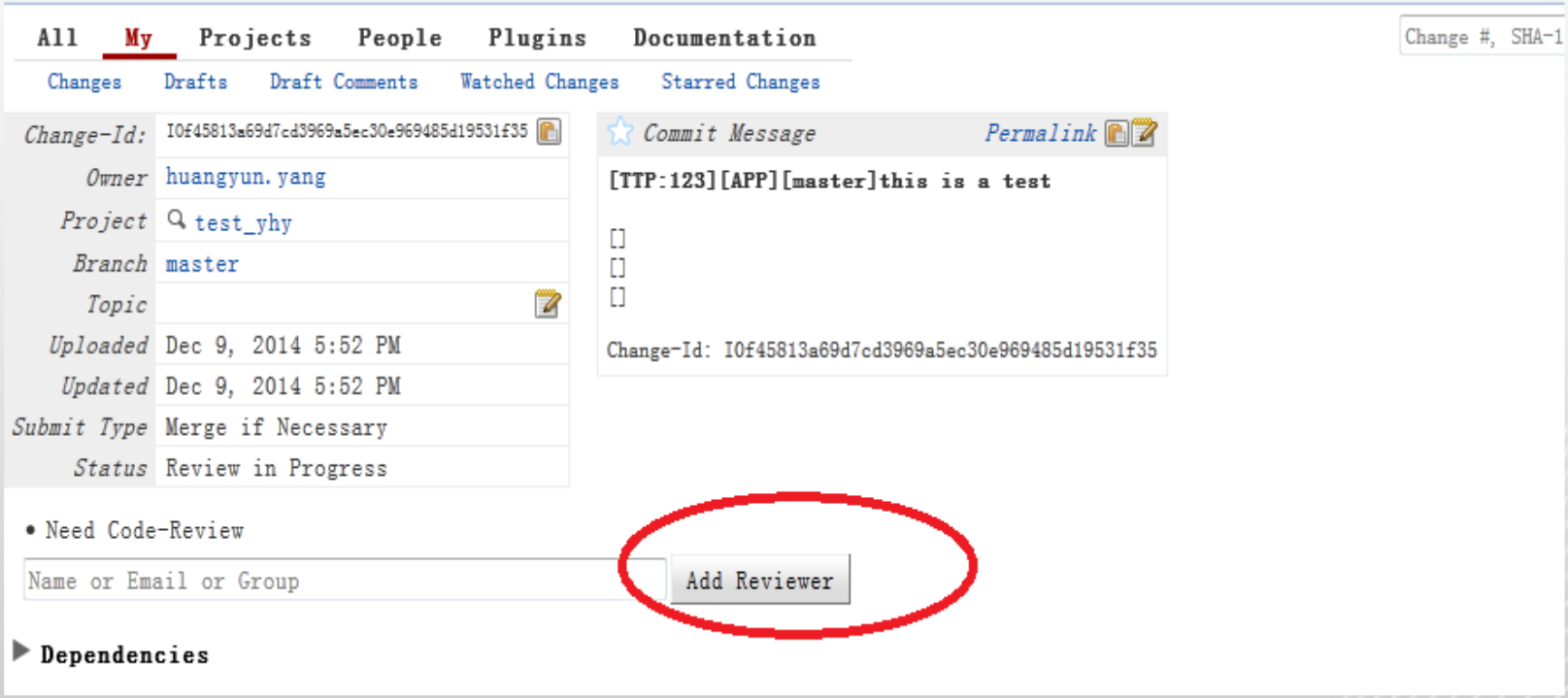
4.Branch：是属于哪个分支的

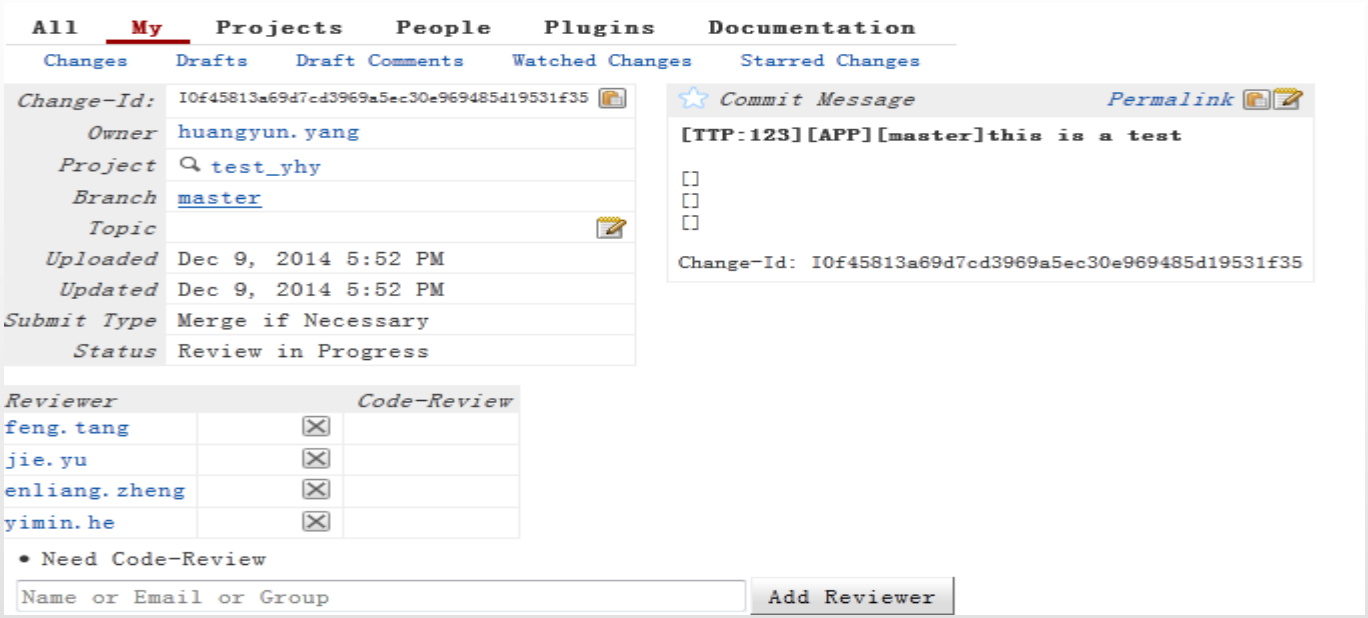
5.Commit Message : 提交的日志信息

6.Patch Set 1: Commit的Hash值

7.增加评审人

点击Name or Email or Group中输入评审者的邮箱，点击Add Reviewer

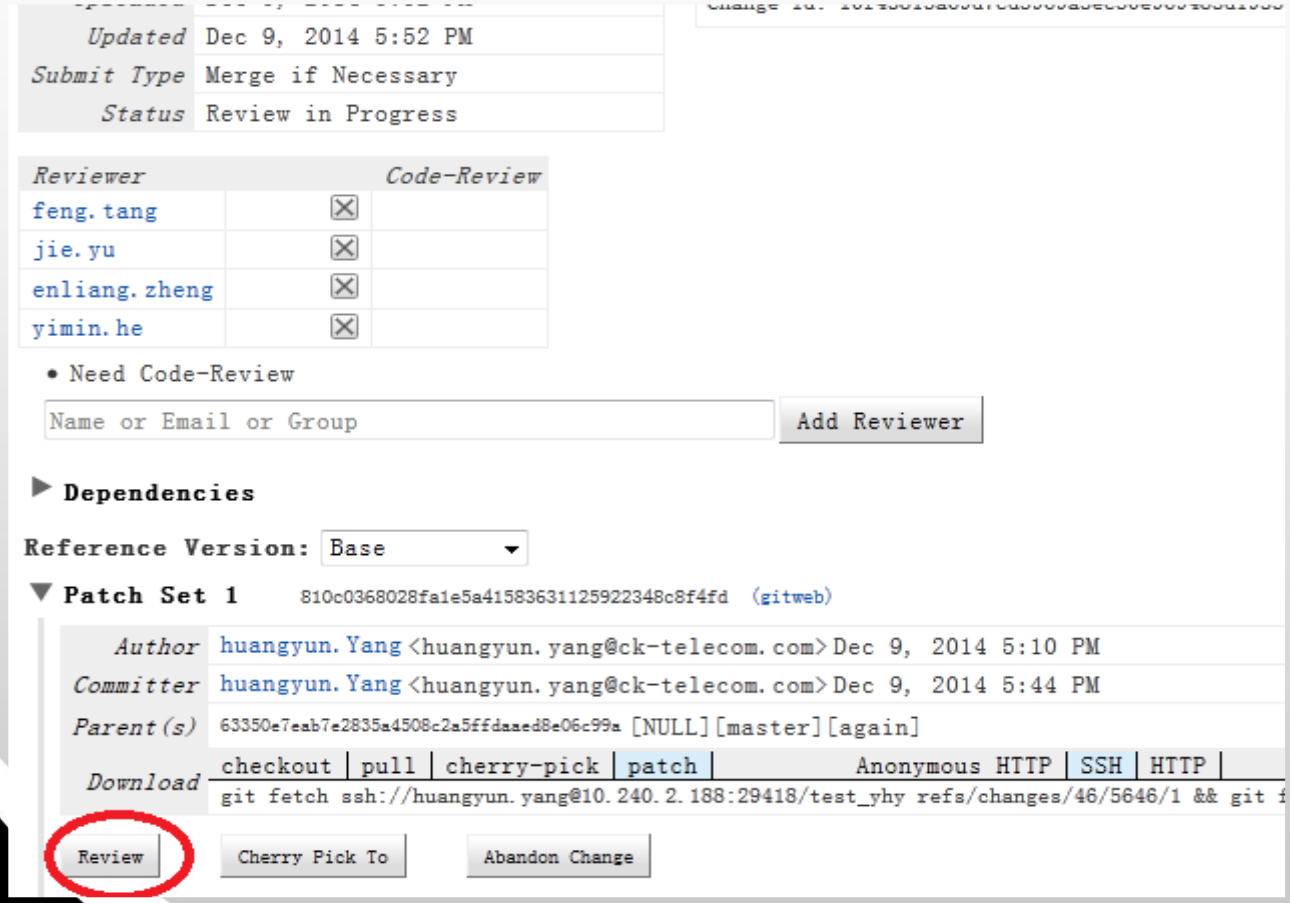




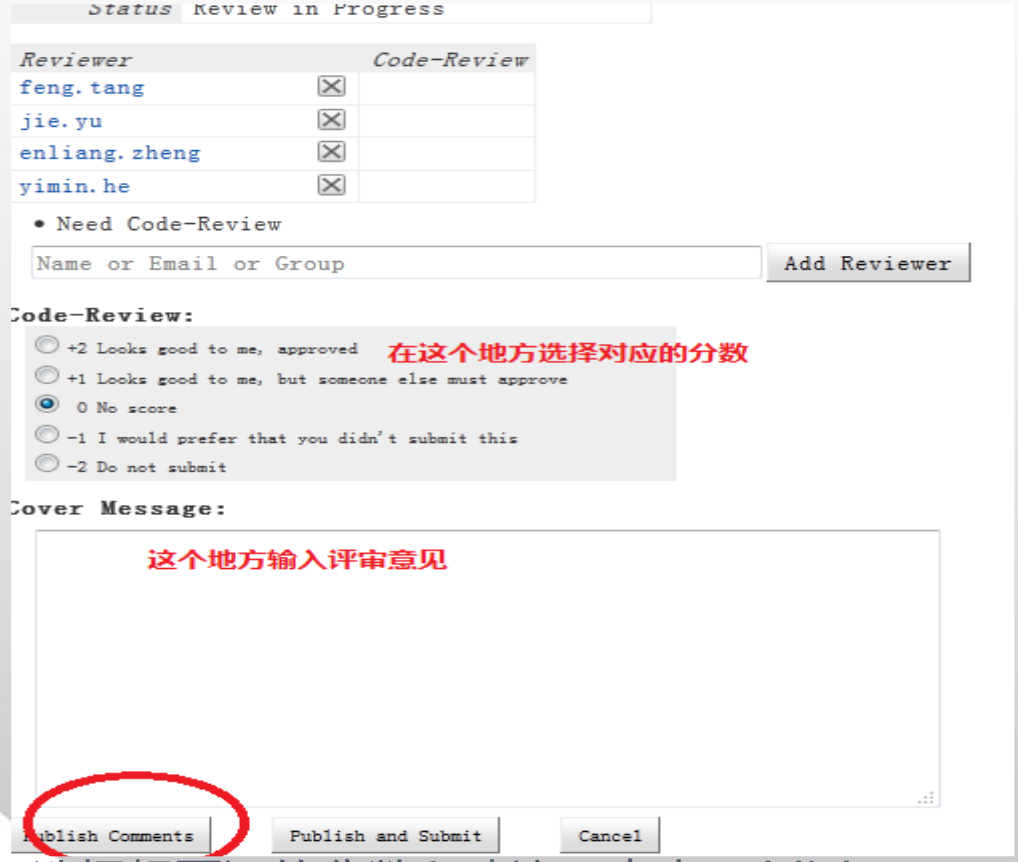
点击评审人后面的X,可以删除评审人。

8.评审

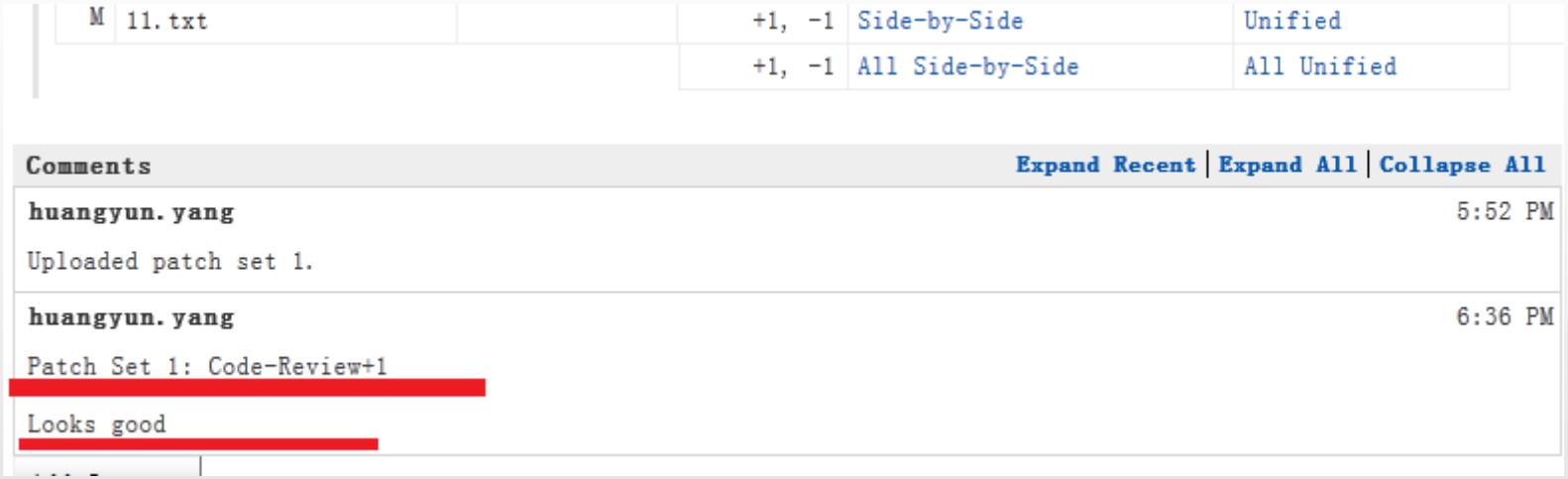
评审人登录系统以后，点击要评审的节点，点击Review



点击进入以下页面



选择想要评的分数和建议，点击Publish comments.



M	11.txt		+1, -1	Side-by-Side	Unified
			+1, -1	All Side-by-Side	All Unified

Comments Expand Recent | Expand All | Collapse All

huangyun.yang 5:52 PM

Uploaded patch set 1.

huangyun.yang 6:36 PM

Patch Set 1: Code-Review+1

Looks good

Reviewer	*Code-Review*
huangyun.yang	+1
feng.tang	
jie.yu	
enliang.zheng	
yimin.he	

- Need Code-Review

10评分细则

当总分达到4分以后gerrit 会自动提交到服务器。

当评审人中有人提交-2的时候，就是总分达到4分也不会自动合并，除非当事人将-2 修改。

如果有权限打分+2可以直接提交

当评审的分数达到4分，服务器会将提交合并到服务器，当有冲突的时候，服务器会合并失败，需要提交者在本地git commit --amend命令修改提交，然后push到gerrit服务器。

11.查看各种状态下的提交

All ->Open ,所有open状态的

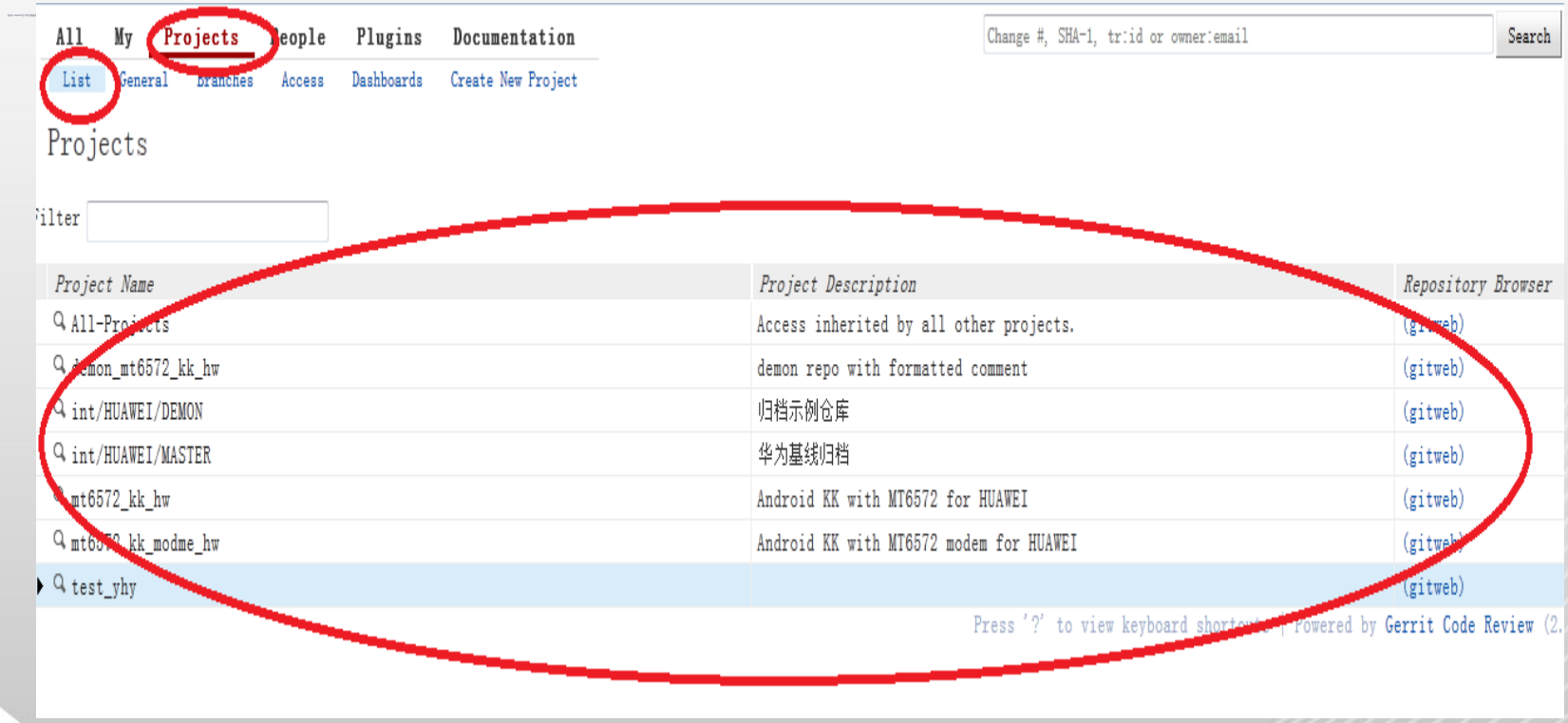
All->Merged ,所有合并到gerrit仓库的提交

All-〉abandonoed 的是取消的提交

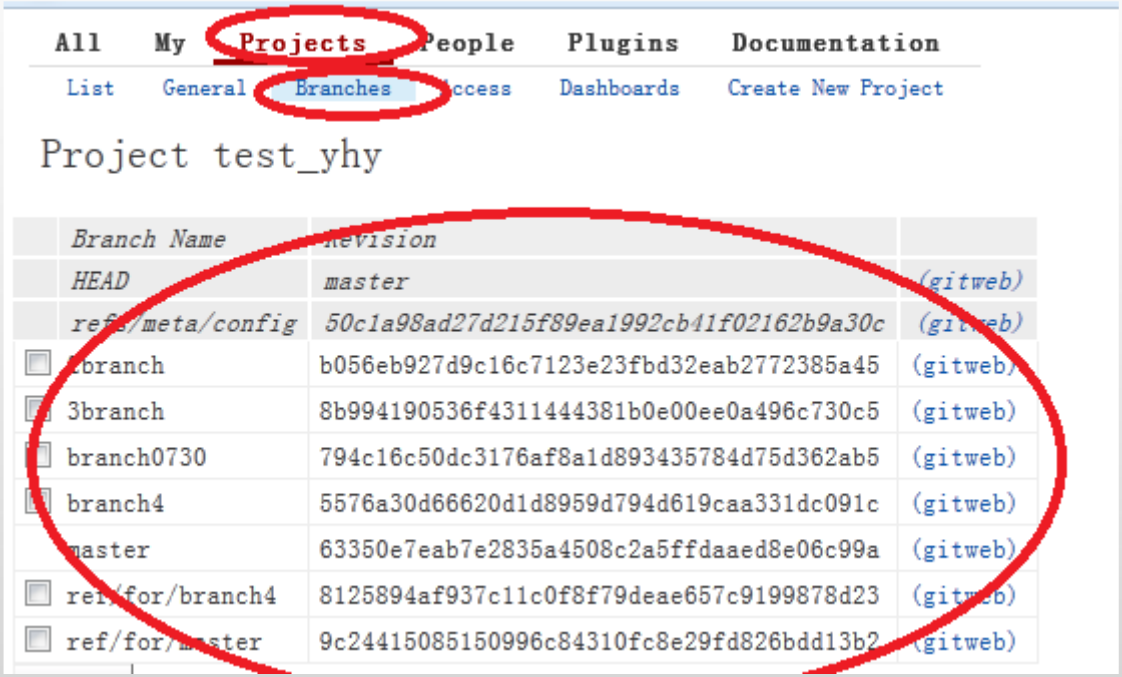
12.其他功能介绍

查看仓库

Project-> List

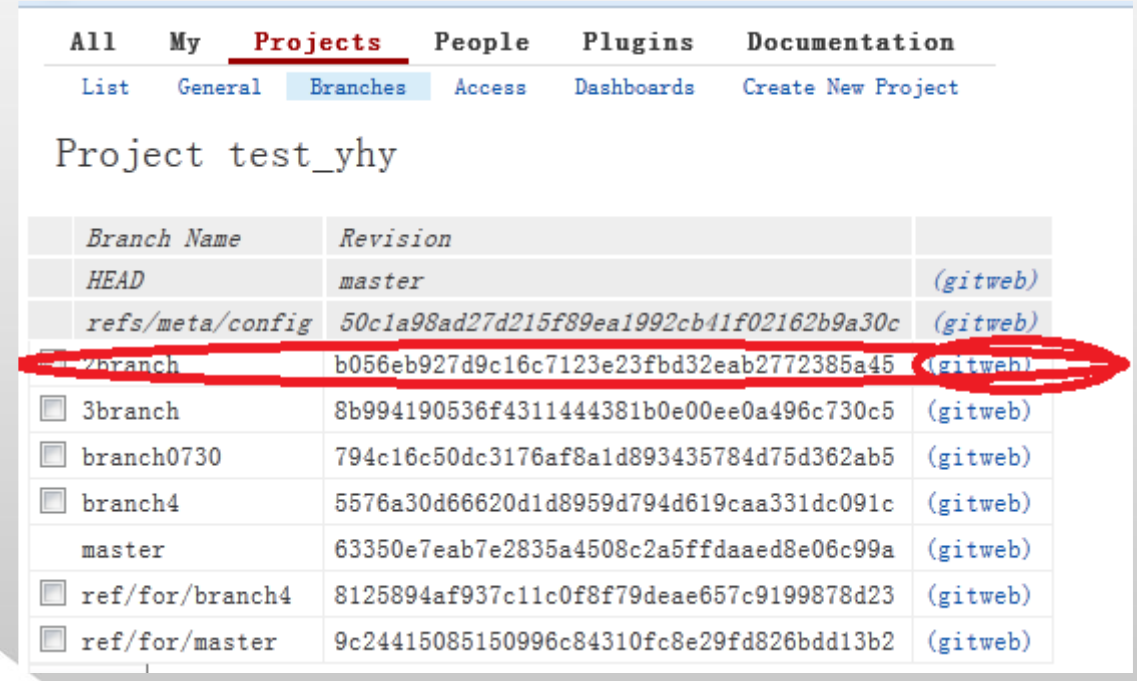


查看分支 Project ->Branches



查看 分支的所有提交记录

点击每个分支后面的gitweb,可以通过网页浏览当前分支合并到服务器的的提交记录



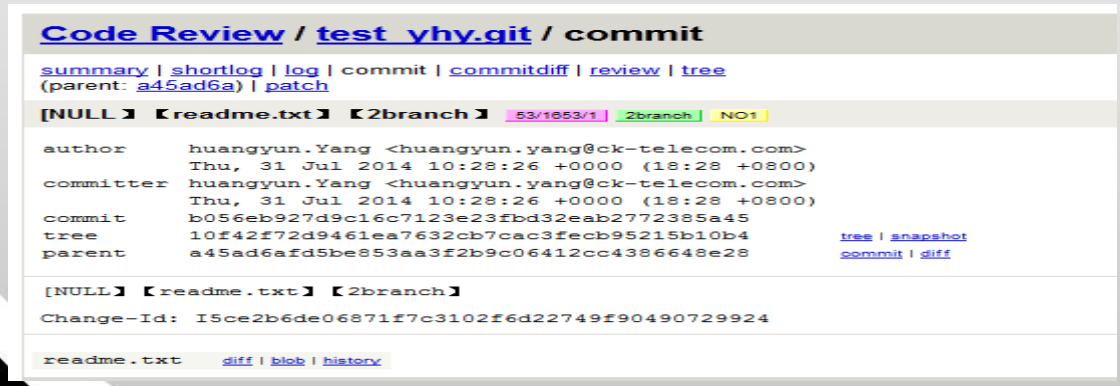
Code Review / mt6572_kk_hw.git / shortlog

summary | shortlog | log | commit | commitdiff | review | tree
first · prev · next

mt6572_kk_hw.git

20 hours ago	houfy	【Revert】【CTS】【Y520】CTS Checklist中如要求：GoogleBackupTransp...	commit | commitdiff | tree | snapshot
42 hours ago	feng.yan	Merge "【NULL】【LCD】【Y520-U33】更新兼容器件列表 【问题描述...	commit | commitdiff | tree | snapshot
43 hours ago	feng.yan	Merge "【NULL】【LCD】【Y520-U33】增加DJ-0.7V的HSD屏驱动。 【问题描述...	commit | commitdiff | tree | snapshot
43 hours ago	jie.yu	【NULL】【LCD】【Y520-U33】更新兼容器件列表	commit | commitdiff | tree | snapshot
43 hours ago	jie.yu	【NULL】【LCD】【Y520-U33】增加DJ-0.7V的HSD屏驱动。	commit | commitdiff | tree | snapshot
43 hours ago	zhaoqi	【Undefind】【master】【Y520-U33】归档华为三方APK	commit | commitdiff | tree | snapshot
46 hours ago	andy.zheng	【undefined】【Modem】【Y320-U33】revert 无卡下时区不随附着网络匹配	commit | commitdiff | tree | snapshot
3 days ago	feng.yan	Merge "【app】【Camera】【y520_u22_c595】相机设置中的GPS开关、ZSD...	commit | commitdiff | tree | snapshot
3 days ago	xingfeng	【app】【Camera】【y520_u22_c595】相机设置中的GPS开关、ZSD、Face Detec...	commit | commitdiff | tree | snapshot
3 days ago	xingfeng	【system】【virtual_net】【y520】回退patch93引入的patch82修改，导致imsi...	commit | commitdiff | tree | snapshot
3 days ago	dongsheng.xiong	【movistar厄瓜多尔】【y520_u03_c97】【String】西语字串翻译	commit | commitdiff | tree | snapshot
6 days ago	dongsheng.xiong	【movistar厄瓜多尔】【y520_u03_c97】【String】参考Y320西语翻译字串Missed...	commit | commitdiff | tree | snapshot
7 days ago	dongsheng.xiong	【language】【y520】【String】字串翻译，统一成Bajo	commit | commitdiff | tree | snapshot
7 days ago	feng.yan	Merge "【undefined】【undefined】【Y520-U22】修改Data jelajah为D...	commit | commitdiff | tree | snapshot
7 days ago	andy.zheng	【undefined】【Modem】【Y520-U33】基线问题单修改-增加越南语APN类型defult还原问题	commit | commitdiff | tree | snapshot
7 days ago	peng tan	【undefined】【undefined】【Y520-U22】修改Data jelajah为Data...	commit | commitdiff | tree | snapshot

点击具体的某条记录，可以看到提交的详细信息



Code Review / test_yhy.git / commit

summary | shortlog | log | commit | commitdiff | review | tree
(parent: a45ad6a) | patch

[NULL】【readme.txt】【2branch】 53/1653/1 | 2branch | NO1

```
author      huangyun.Yang <huangyun.yang@ck-telecom.com>
            Thu, 31 Jul 2014 10:28:26 +0000 (18:28 +0800)
committer   huangyun.Yang <huangyun.yang@ck-telecom.com>
            Thu, 31 Jul 2014 10:28:26 +0000 (18:28 +0800)
commit      b056eb927d9c16c7123e23fbd32eab2772385a45
tree        10f42f72d9461ea7632cb7cac3fecb95215b10b4        tree | snapshot
parent      a45ad6afd5be853aa3f2b9c06412cc4386648e28        commit | diff
```

[NULL】【readme.txt】【2branch】

Change-Id: I5ce2b6de06871f7c3102f6d22749f90490729924

readme.txt diff | blob | history

- THE END
- 谢　谢！