Gerrit 搭建、运行

Gerrit 安装

安装前

JDK1.6 +

从<u>http://code.google.com/p/gerrit/</u>下载Gerrit。

```
cpeiot@IOT-GP3:~/gerrit$ 11
total 43660
-rw-r--r- 1 cpeiot cpeiot 44701651 8?28 12:56 gerrit-2.11.2.war
```

开始安装

```
cpeiot@IOT-GP3:~/gerrit$

java -jar gerrit-2.11.2.war init -d review-site
```

Gerrit 安装(续)

```
需要注意:
```

```
*** SQL Database*** 可以是默认H2,建议变更。
*** User Authentication*** 多种验证方式选择
                  development become any account
                   [/usr/lib/jvm/java-7-openjdk-amd64/jre]:
Java runtime
                   [29418]: SSH port
Listen on port
Listen on port
                   [8080]: 8088 HTTP port
Create administrator user
                        [Y/n]? v
                   [admin]:
username
                 [Administrator]:
name
email
                [admin@example.com]:
```

Gerrit start/stop/restart

gerrit是自动启动的 手动启停 在gerrit目录下bin ./gerrit.sh start/stop/restart

Gerrit Administrator

打开浏览器输入 http://localhost:8088

根据个人设置的端口来配置。

Sign In

Username:		Become Account	
Email Address:		Become Account	
Account ID:	Become Account		
Choose:	<u>Administrator</u>		

Register

New Account

Gerrit Administrator

Add SSH public-key



Settings



Username admin Administrator

Full Name Administrator

Email Address admin@example.com

Registered Sep 6, 2015 4:21 PM

Account ID 1000000

Add SSH P ► How to	ublic Key Generate an SS	SH Key		
Clear				

Gerrit other users

Sign In

Username:			Become Account			
Email Address:			Become Account			
Account ID:		Become Account				
Choose:	Administrator					
	Settings					
New Account	Profile Preferences Watched Projects Contact Information SSH Public Keys HTTP Password Identities Groups	Add SSH Public Key How to Generate an SSI Clear	H Key		.d.l	

Gerrit manage

```
gsql
                                                            Tables in gerrit
                     重启Gerrit
                                                            account diff preferences
                                                            account external ids
               Mysql
                                                            account group by id
                                                            account group by id aud
                                                            account group id
                                                            account group members
                                                            account group members audit
                                                            account group names
cpeiot@IOT-GP3:~/gerrit/review-site/etc$ vi gerrit.config
[gerrit]
                                                            account groups
      basePath = git
                                                            account id
      canonicalWebUrl = http://IOT-GP3:8088/
[database]
                                                            account patch reviews
      type = mysql
                                                            account project watches
      hostname = localhost
      database = gerrit
                                                            account ssh keys
      username = cpeiot
                                                            accounts
[index]
      type = LUCENE
                                                            change id
[auth]
                                                            change message id
      type = DEVELOPMENT BECOME ANY ACCOUNT
[sendemail]
                                                            change messages
      smtpServer = localhost
                                                             changes
[container]
      user = cpeiot
                                                            patch comments
      javaHome = /usr/lib/jvm/java-7-openjdk-amd64/jre
                                                            patch set ancestors
[sshd]
      listenAddress = *:29418
                                                            patch set approvals
[httpd]
                                                            patch sets
      listenUrl = http://*:8088/
[cache]
                                                            schema version
      directory = cache
                                                            starred changes
```

Gerrit 验证安装

使用命令: ssh -p 29418 -i ~/.ssh/id_rsa localhost - l admin

Gerrit 验证安装

```
cpeiot@IOT-GP3:~/workspace/test$ cd ~/.ssh
cpeiot@IOT-GP3:~/.ssh$ ll
total 16
-rw-rw-r-- 1 cpeiot cpeiot 91 9? 1 11:25 config
-rw----- 1 cpeiot cpeiot 1675 9? 2 12:21 id rsa
-rw-r--r-- 1 cpeiot cpeiot 396 9? 6 16:53 id rsa.pub
-rw-r--r-- 1 cpeiot cpeiot 274 9? 7 09:52 known hosts
cpeiot@IOT-GP3:~/.ssh$ cat config
Host admin
       User admin
       Port 29418
       IdentityFile ~/.ssh/id rsa
cpeiot@IOT-GP3:~/.ssh$
```

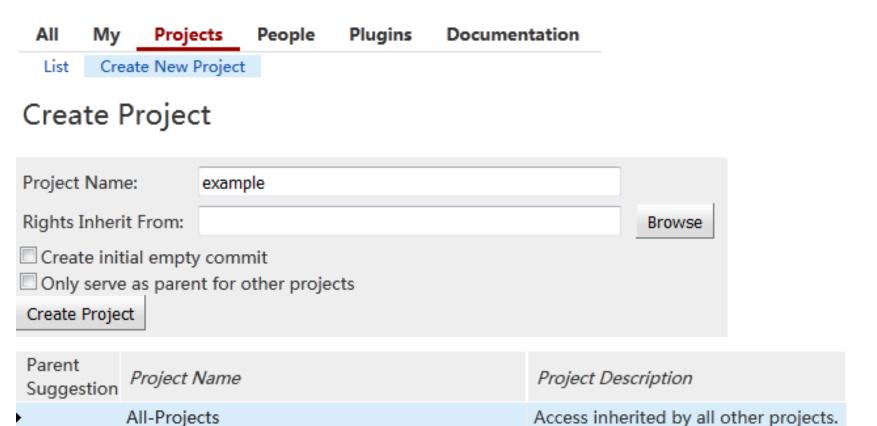
HostName:gerrit所在主机IP

User:用户在gerrit上注册的用户名

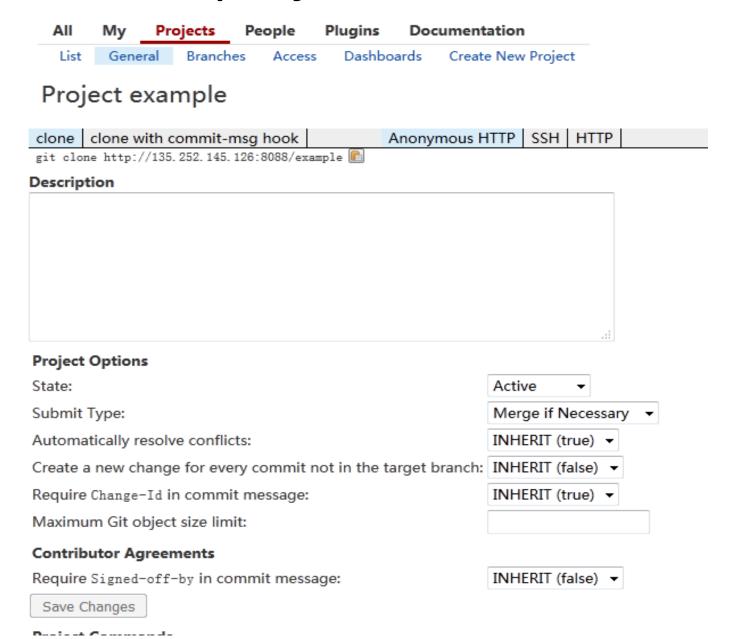
Port: gerrit 的端口

IdentityFile:需要和gerrit上public key进行验证的private key.

Gerrit create project

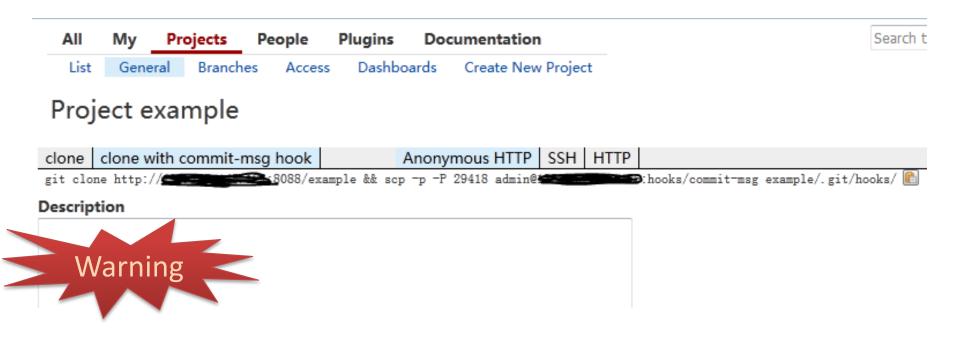


Gerrit create project



Gerrit clone project

选择【clone with commit-msg hook】



warning: remote HEAD refers to nonexistent ref, unable to checkout.

Gerrit push project

git push origin HEAD:refs/for/master

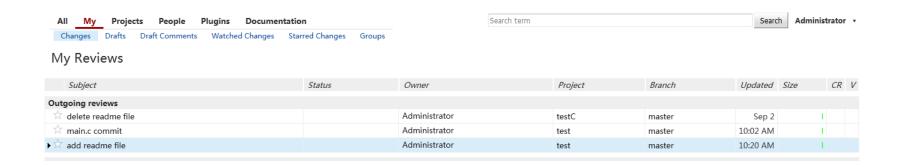
```
cpeiot@IOT-GP3:~/workspace/test$ git push origin HEAD:refs/for/master
Counting objects: 3, done.
Writing objects: 100% (3/3), 287 bytes | 0 bytes/s, done.
Total 3 (delta 0), reused 0 (delta 0)
remote: Processing changes: new: 1, refs: 1, done
remote:
remote: New Changes:
remote: http://IOT-GP3:8088/4 main.c commit
remote:
To ssh://admin@135.252.145.126:29418/test
  * [new branch] HEAD -> refs/for/master
```



```
[remote "mybranch"]
    url = admin:test
    push = HEAD:refs/for/master
```

git push mybranch

Gerrit project changes





ssh admin gerrit stream-events



elp ssh admin gerrit --help

THX