Jenkins 安装及CI配置

By Volshell & Wayen

Jenkins的安装

- 官网:https://wiki.jenkins-ci.org/display/JENKINS/Installing+Jenkins
- ubuntu:

```
$wget -q -O - https://jenkins-ci.org/debian/jenkins-ci.org.key |
sudo apt-key add -
$sudo sh -c 'echo deb http://pkg.jenkins-ci.org/debian binary/ > /
etc/apt/sources.list.d/jenkins.list'
$sudo apt-get update
$sudo apt-get install jenkins
```

upgrade:

```
$sudo apt-get update
$sudo apt-get install jenkins
```

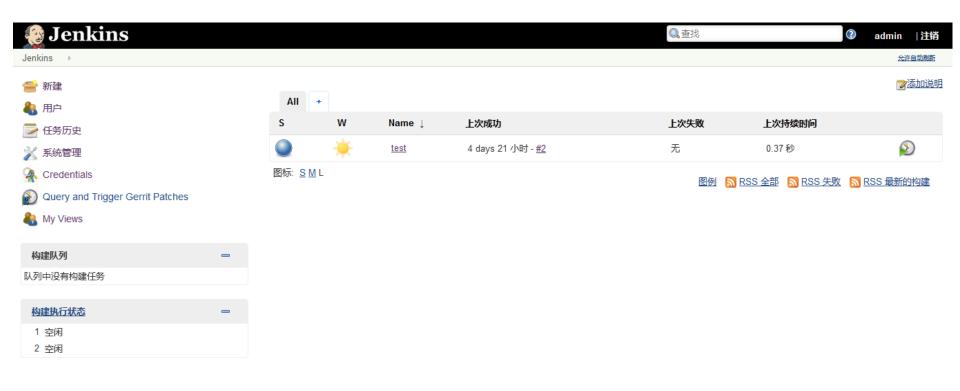
Jenkins 配置

- ・ 开机启动时会以守护程序形式启动,可以查看/etc/ init.d/jenkins
- · 会生成一个'jenkins'用户来进行这项服务.
- ・ log文件在/var/log/jenkins/jenkins.log可用于检查 错误.
- ·默认情况下jenkins监听8080端口,可通过修改/etc/init.d/jenkins和/etc/default/jenkins修改端口.

Jenkins 配置

登录web端:http://localhost:8080

Administrator



Jenkins plugins

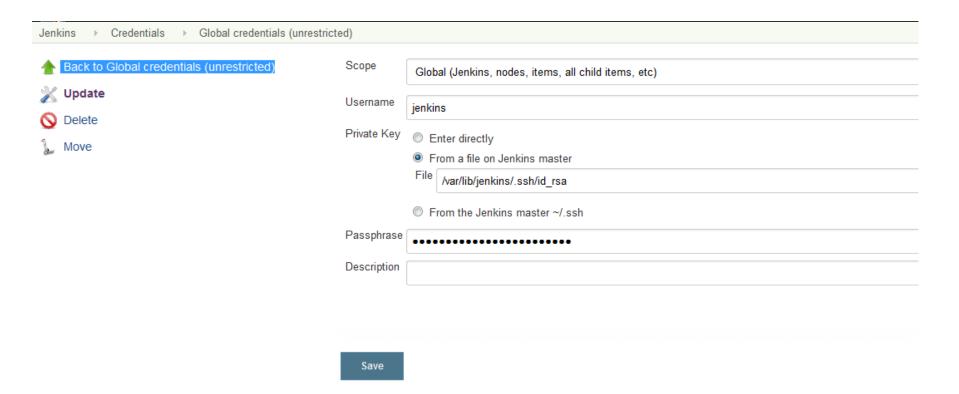
安装plugins【系统管理】→【管理插件】



Jenkins plugins

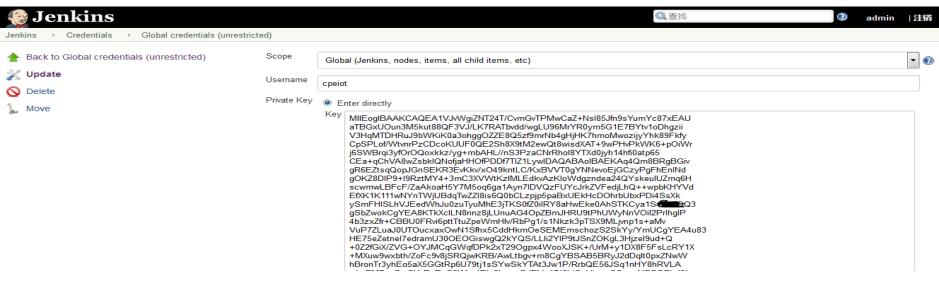
启用 名称 ↓ Ant Plugin 1 This plugin adds Apache Ant support to Jenkins. Credentials Plugin **√** This plugin allows you to store credentials in Jenkins. CVS Pluq-in V Integrates Jenkins with CVS version control system using a modified version cvsclient. External Monitor Job Type Plugin 1 Adds the ability to monitor the result of externally executed jobs. Gerrit Trigger This plugin integrates with Gerrit code review. GIT client plugin Shared library plugin for other Git related Jenkins plugins. This plugin integrates GIT with Jenkins. Git server plugin Allows Jenkins to act as a Git server. Javadoc Plugin 1 This plugin adds Javadoc support to Jenkins. JUnit Plugin V Allows JUnit-format test results to be published. LDAP Plugin

Jenkins Credentials





为了实现jenkins和gerrit关联,需要添加gerrit用户的 private key 和jenkins 的private key





Credentials that should be available irrespective of domain specification to requirements matching.

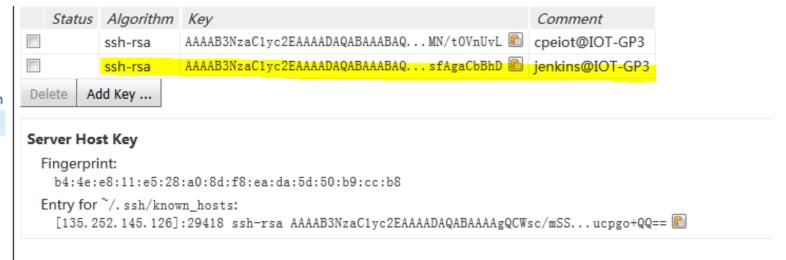
	Name	Kind De	escription	
	<u>jenkins</u>	SSH Username with private key		X
	cpeiot	SSH Username with private key		X

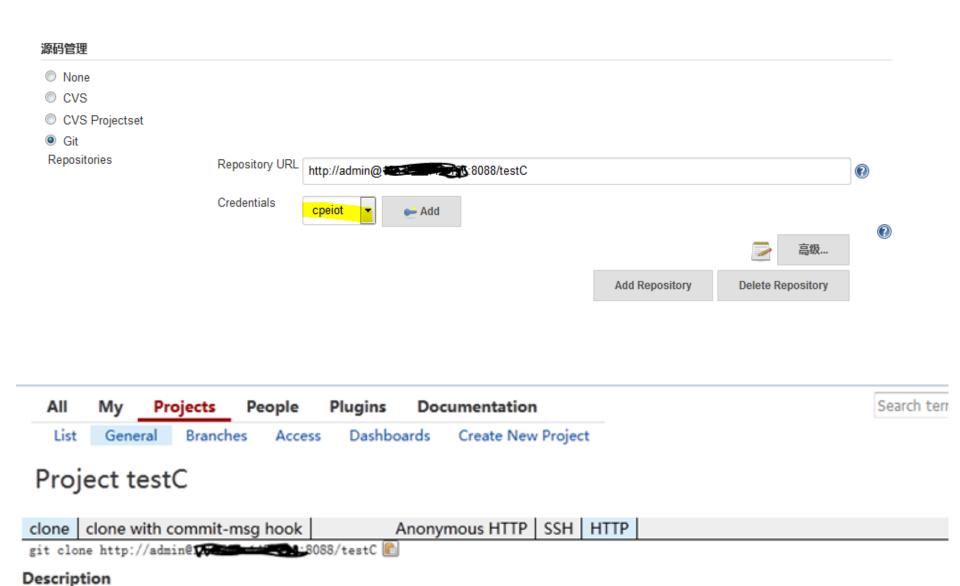


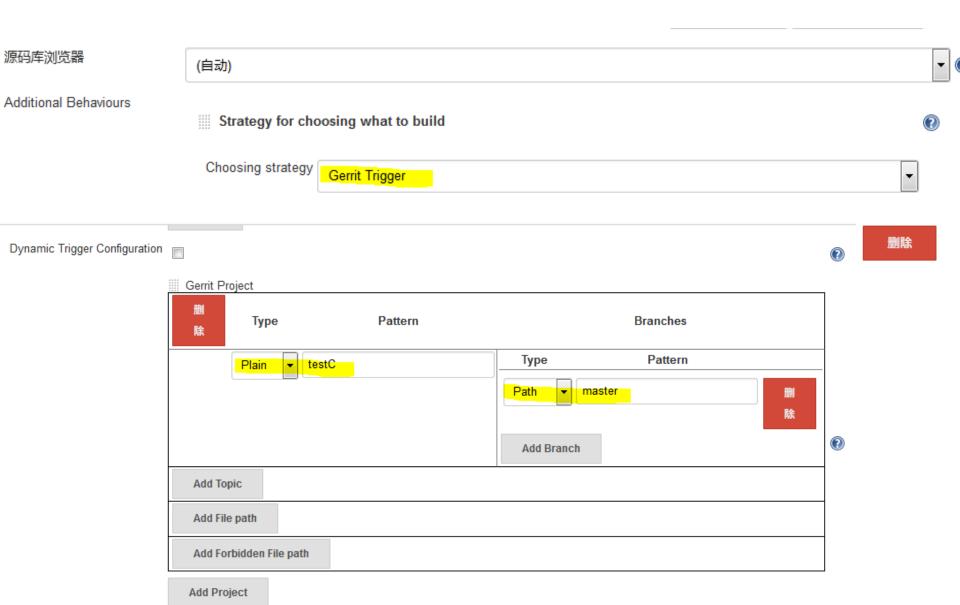
此外还要在jenkins关联的gerrit用户的key中添加jenkins的public key。

Settings

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







Gerrit Server



管理Jenkins



系统设置

全局设置&路径



Configure Global Security

Secure Jenkins; define who is allowed to access/use the system.



读取设置

放弃当前内存中所有的设置信息并从配置文件中重新读取 仅用于当您手动修改配置文件



管理插件

添加、删除、禁用或启用Jenkins功能扩展插件。 (可用更新)



系统信息

显示系统环境信息以帮助解决问题。



System Log

Gerrit Server

在管理Jenkins里面找到Gerrit Trigger, 【New Server】

Gerrit Server				
Hostname	Gerrit服务器的主机名或IP地址			
Frontend URL	Gerrit的web页面地址			
	Must put something here.			
SSH Port	29418			
Proxy				
Username	你用来登录Gerrit的用户名			
E-mail	279671687@qq.com			
SSH Keyfile	/home/kurenai/.ssh/id_rsa(即在Gerrit个人Setting中認知的ssh-key对应的私钥)			

SSH Keyfile ,在创建的时候会有默认值,直接默认即可。 这个是jenkins用户的private key。

配置完成,点击【Test Connetcion】 出现success即可

Clone project from gerrit

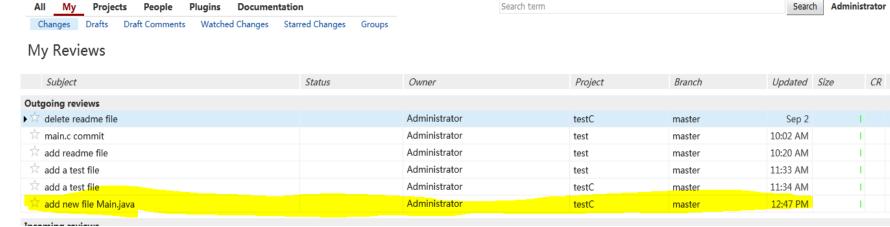
```
cpeiot@IOT-GP3:~/workspace/testC$ pwd
/home/cpeiot/workspace/testC
cpeiot@IOT-GP3:~/workspace/testC$ 11
total 12
-rw-rw-r-- 1 cpeiot cpeiot 57 9? 7 09:52 main.c
-rw-rw-r-- 1 cpeiot cpeiot 102 9? 7 09:52 README
-rw-rw-r-- 1 cpeiot cpeiot 21 9? 7 11:34 test
cpeiot@IOT-GP3:~/workspace/testC$
```

Add file – Main.java

Commit it

Push it

Gerrit



Jenkins

