

# Jenkins + Django 完整实战，细化到每一步操作

## 一、简介

一般网站部署的流程如下：

需求分析—原型设计—开发代码—内网部署-提交测试—确认上线—备份数据—外网更新-最终测试，如果发现外网部署的代码有异常，需要及时回滚

我们可以通过jenkins工具平台实现全自动部署+测试，是一个可扩展的持续集成引擎，是一个开源软件项目，旨在提供一个开放易用的软件平台，使软件的持续集成变成可能。Jenkins非常易于安装和配置，简单易用

- 简单来说方便如下人员：

1. 开发人员：写好代码，不需要自己进行源码编译、打包等工作，直接将代码分支存放在SVN、GIT仓库即可。war 源码多 自动把代码放到服务器上面
2. 运维人员：减轻人工干预的错误率，ansible 一键完成了 同时解放运维人员繁杂的上传代码、手动备份、更新
3. 测试人员：可以通过jenkins进行简单的代码及网站测试

- 持续集成的意义：

1. 持续集成中的任何一个环节都是自动完成的，无需太多的人工干预，有利于减少重复过程以节省时间、费用和工作量
2. 持续集成保障了每个时间点上团队成员提交的代码是能成功集成的。换言之，任何时间点都能第一时间发现软件的集成问题，使任意时间发布可部署

## 二、安装jenkins

由于jenkins是使用java代码开发的，所以我们需要安装java容器才能运行jenkins,又因为java的web服务器用的是tomcat，所以我们要安装JDK+Tomcat

安装JDK+Tomcat：

```
[root@vagrant-centos65 ~]# yum -y install java-1.8.0-openjdk.x86_64
[root@vagrant-centos65 ~]# cd /opt/
[root@vagrant-centos65 opt]# wget
http://mirrors.tuna.tsinghua.edu.cn/apache/tomcat/tomcat-7/v7.0.81/bin/apache-tomcat-7.0.81.tar.gz
[root@vagrant-centos65 opt]# tar zxvf apache-tomcat-7.0.81.tar.gz
[root@vagrant-centos65 opt]# mkdir -p /usr/local/tomcat
[root@vagrant-centos65 opt]# mv apache-tomcat-7.0.81/* /usr/local/tomcat
```

安装jenkins：

```
[root@vagrant-centos65 ~]# cd /opt/
[root@vagrant-centos65 opt]# wget
http://mirrors.tuna.tsinghua.edu.cn/jenkins/redhat/jenkins-2.60-1.1.noarch.rpm
[root@vagrant-centos65 opt]# rpm -ivh jenkins-2.60-1.1.noarch.rpm
[root@vagrant-centos65 opt]# /etc/init.d/jenkins start
Starting Jenkins [ OK
]
[root@vagrant-centos65 opt]# netstat -tnlp | grep 8080
[root@vagrant-centos65 opt]# /etc/init.d/jenkins start
Starting Jenkins [ OK
]
[root@vagrant-centos65 opt]# netstat -tnlp | grep 8080
.
```

Getting Started

## Unlock Jenkins

To ensure Jenkins is securely set up by the administrator, a password has been written to the log (not sure where to find it?) and this file on the server:

`/var/lib/jenkins/secrets/initialAdminPassword` 在服务器把这个文件里面的内容复制到这个文本框

Please copy the password from either location and paste it below.

Administrator password

```
[root@vagrant-centos65 ~]# cat /var/lib/jenkins/secrets/initialAdminPassword
79a11aaee5094594937d21ea51f10288
[root@vagrant-centos65 ~]#
```

就绪

Getting Started

## Customize Jenkins

Plugins extend Jenkins with additional features to support many different needs.

### Install suggested plugins

Install plugins the Jenkins community finds most useful.

安装常用的插件

### Select plugins to install

Select and install plugins most suitable for your needs.

选择你需要的插件安装

选这个

ministration All | None | Suggested show: selected Selected (1/57)

## Create First Admin User

用户名:	<input type="text" value="admin"/>
密码:	<input type="password" value="....."/>
确认密码:	<input type="password" value="....."/>
全名:	<input type="text" value="知了阿文"/>
电子邮件地址:	<input type="text" value="44262769@qq.com"/>

安装完成之后会出现这个页面 填入信息就好了

## Jenkins is ready!

Your Jenkins setup is complete.

Start using Jenkins

点这个就可以了

创建项目

归属

知了阿文

名称

test

🔔

✓

路径

https://git.oschina.net/ZhiLiaoAWen/

test

✓

介绍  
非必填

专门用来测试的

Python

Linux

添加开源许可证

🔔

是否公开

公开的

🔒

☒ 使用Readme文件初始化这个项目

☐ 使用Issue模板文件初始化这个项目

☐ 使用Pull Request模板文件初始化这个项目

📁 导入已有项目

创建

码云

开源项目

代码片段

企业版

我的码云

搜索...

🔔

+

知

知了阿文 / test

Python

🔔

👤 捐赠 0

👁 Unwatch 1

☆ Star 0

🍴 Fork 0

代码

Issues 0

Pull Requests 0

附件 0

Wiki 0

统计

服务

管理

专门用来测试的 -- 编辑

📄 1 Commits

🌿 1 Branches

🏷 0 Tags

📦 0 Releases

👤 1 Contributors

master

+ Pull Request

+ Issue

文件

挂件

知了阿文 最后提交于 1分钟前 · Initial commit

.gitignore

知了阿文 Initial commit

README.md

知了阿文 Initial commit

README.md 29 Bytes

test

复制SSH链接地址

克隆/下载

HTTPS

SSH

git@git.oschina.net:ZhiLiaoAWen/test.git

复制

📄 下载ZIP

更安全的代码管理

敏感操作二次验证 多级安全策略

```
[root@vagrant-centos65 opt]# git clone git@git.oschina.net:zhiliaoAwen/test.git test-git/
Initialized empty Git repository in /opt/test-git/.git/
The authenticity of host 'git.oschina.net (218.11.0.86)' can't be established.
RSA key fingerprint is e3:ee:82:78:fb:c0:ca:24:65:69:ba:bc:47:24:6f:d4.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'git.oschina.net,218.11.0.86' (RSA) to the list of known hosts.
Permission denied (publickey).
fatal: The remote end hung up unexpectedly
[root@vagrant-centos65 opt]#
```

没有权限下载代码 创建公钥和私钥 把公钥传到码云上面

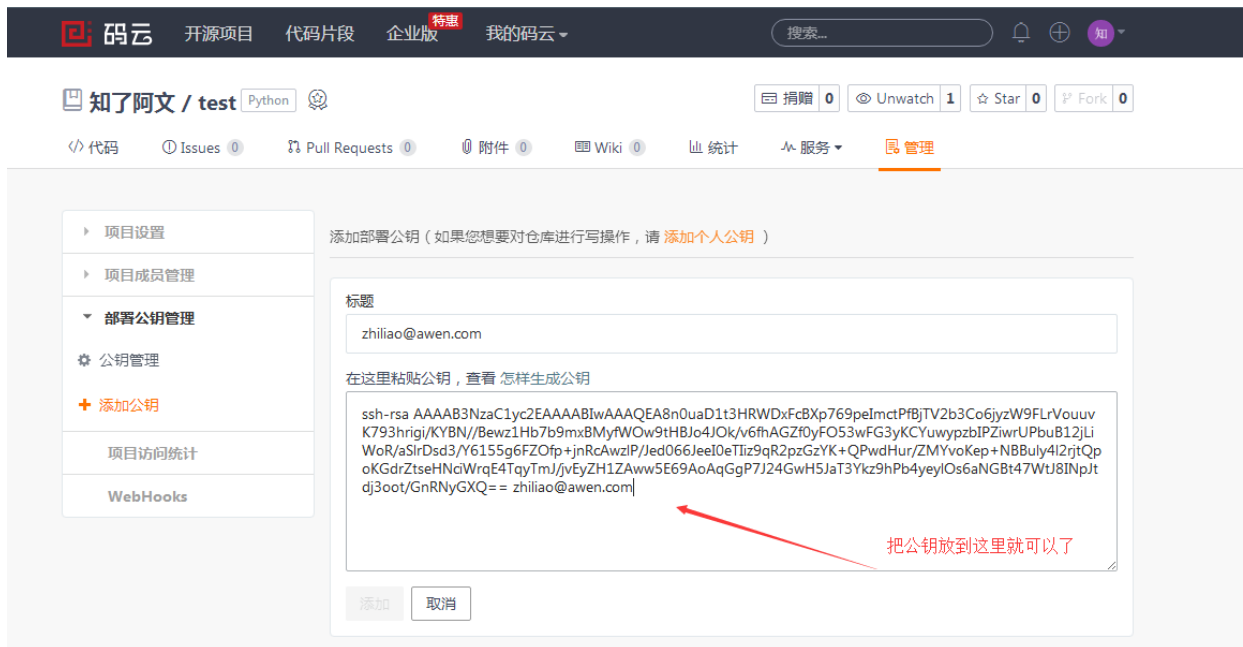
## 2) 创建公钥和私钥：

```
[root@vagrant-centos65 opt]# ssh-keygen -t rsa -C
"zhiliao@awen.com"
Generating public/private rsa key pair.
Enter file in which to save the key (/root/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /root/.ssh/id_rsa.
Your public key has been saved in /root/.ssh/id_rsa.pub.
The key fingerprint is:
ca:f6:1d:56:93:b0:c3:09:70:96:cd:19:98:d7:53:68 zhiliao@awen.com
The key's randomart image is:
+---[ RSA 2048]-----+
|      . o*.+ o.      |
|      ++ = E        |
|      .... .        |
|      o + .          |
|      S = +          |
|      . . o .        |
|      + o            |
|      . . o .        |
|      . .            |
+-----+

```

# 三次回车即可生成 ssh key

```
[root@vagrant-centos65 opt]# cat ~/.ssh/id_rsa.pub
ssh-rsa
AAAAB3NzaC1yc2EAAAABIwAAAQEA8n0uaD1t3HRWDxFcBXp769peImctPfbjTV2b3
Co6jyzW9FLrVouuvK793hrigi/KYBN//Bewz1Hb7b9mxBMyfW0w9tHBJo4J0k/v6f
hAC7f0vE052wEC2vKCVuuyv7bTD7iwrHDbuR12iL iW0P/aS1rDed2/V6155g6E70f
```



4) 同步代码：

```
[root@vagrant-centos65 opt]# git clone  
git@git.oschina.net:ZhiLiaoAWen/test.git test-git/
```

## 四、升级python 2.6到python 2.7

由于jdnago 1.7之后的版本就不支持python 2.6了，所以我们需要升级python 2.6-2.7。

```
[root@vagrant-centos65 ~]# yum -y install  zlib zlib-devel  
openssl openssl-devel  sqlite-devel  
[root@vagrant-centos65 ~]# wget  
http://python.org/ftp/python/2.7.3/Python-2.7.3.tar.bz2  
[root@vagrant-centos65 ~]# tar -jxvf Python-2.7.3.tar.bz2  
[root@vagrant-centos65 ~]# cd Python-2.7.3
```

## 五、安装django

安装setuptools：pip的安装需要依赖setuptools。其实是pip的安装setup.py有这样一条代码from setuptools import setup：

```
[root@vagrant-centos65 bin]# cd /opt/
[root@vagrant-centos65 opt]# wget
https://pypi.python.org/packages/61/3c/8d680267eda244ad6391fb8b21
1bd39d8b527f3b66207976ef9f2f106230/setuptools-1.4.2.tar.gz
[root@vagrant-centos65 opt]# tar zxvf setuptools-1.4.2.tar.gz
[root@vagrant-centos65 opt]# cd setuptools-1.4.2
[root@vagrant-centos65 setuptools-1.4.2]# python setup.py install
```

安装pip：

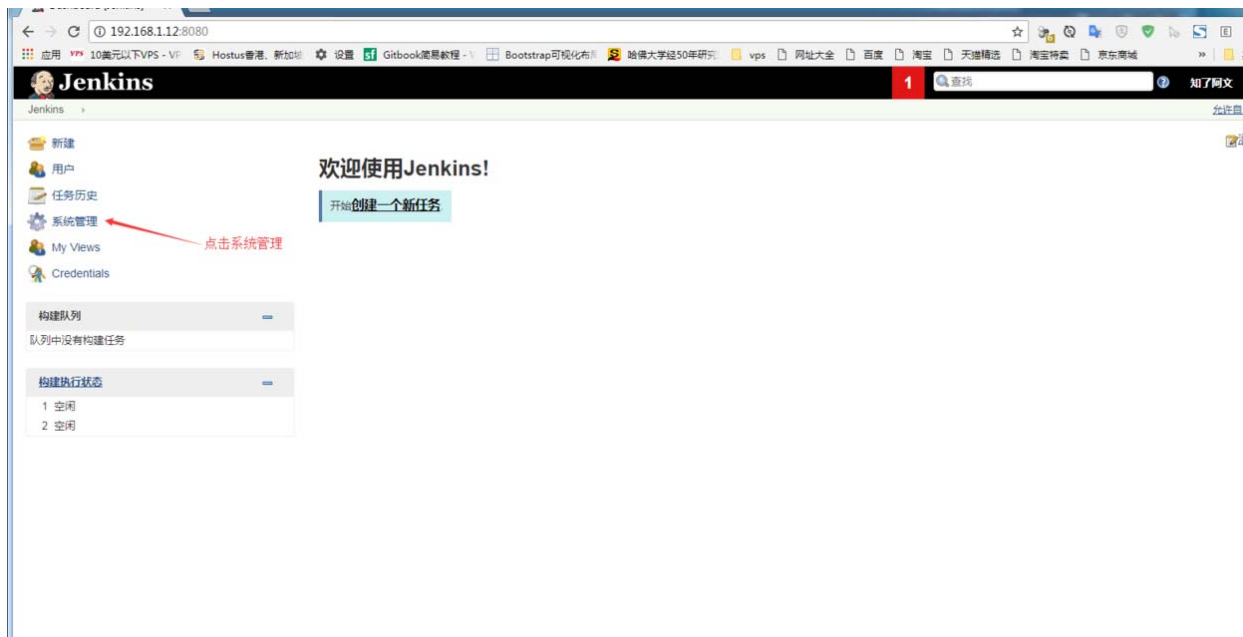
```
[root@vagrant-centos65 ~]# cd /opt/
[root@vagrant-centos65 opt]# wget
"https://pypi.python.org/packages/source/p/pip/pip-
1.5.4.tar.gz#md5=834b2904f92d46aaa333267fb1c922bb" --no-check-
certificate
[root@vagrant-centos65 opt]# tar zxvf pip-1.5.4.tar.gz
[root@vagrant-centos65 opt]# cd pip-1.5.4
[root@vagrant-centos65 pip-1.5.4]# python setup.py install
[root@vagrant-centos65 pip-1.5.4]# pip
-bash: pip: command not found
[root@vagrant-centos65 pip-1.5.4]# find / -name pip
/usr/local/python2.7/bin/pip
[root@vagrant-centos65 pip-1.5.4]# ln -s
/usr/local/python2.7/bin/pip /usr/bin/pip
```

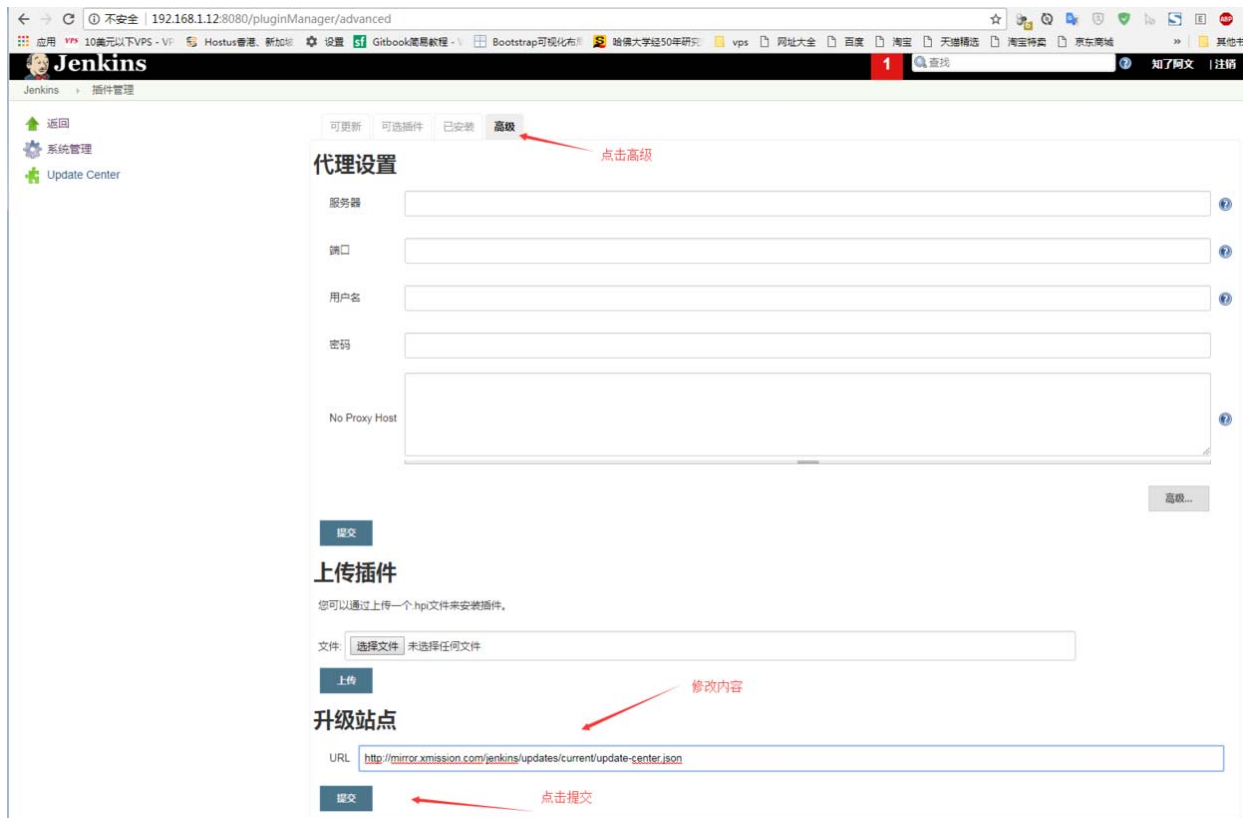
安装django：



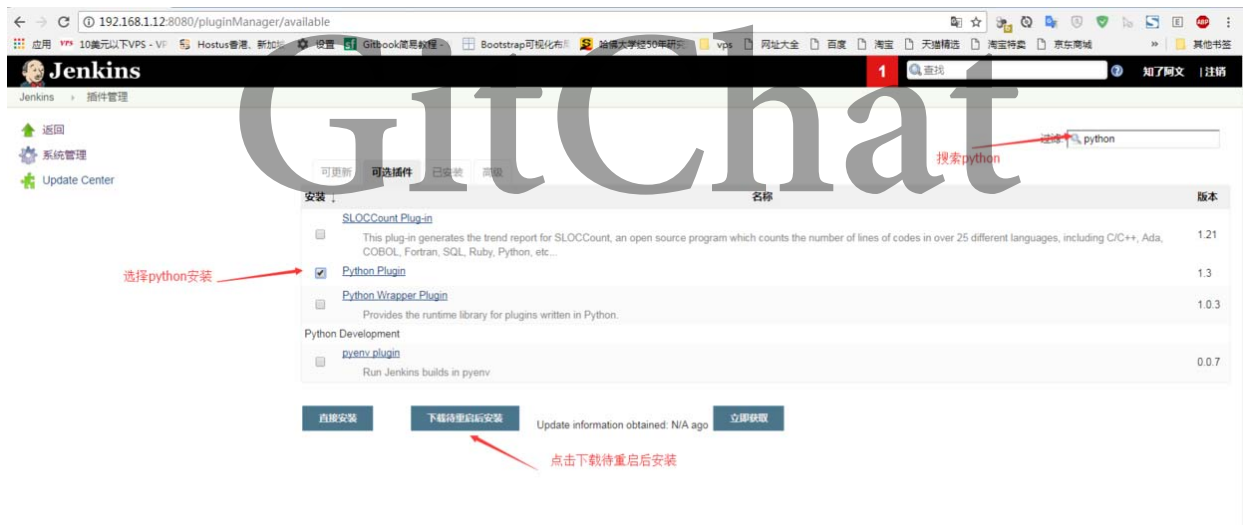
1) 更换更新插件源 国内连接块的地址地址：

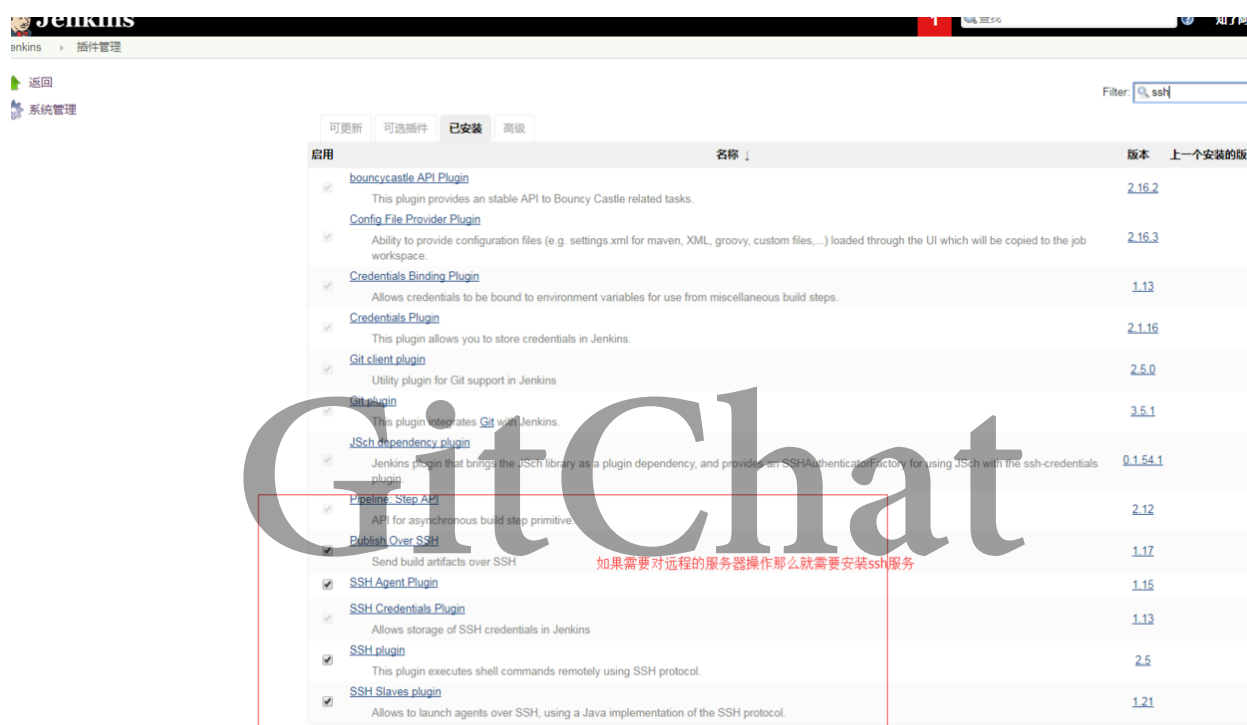
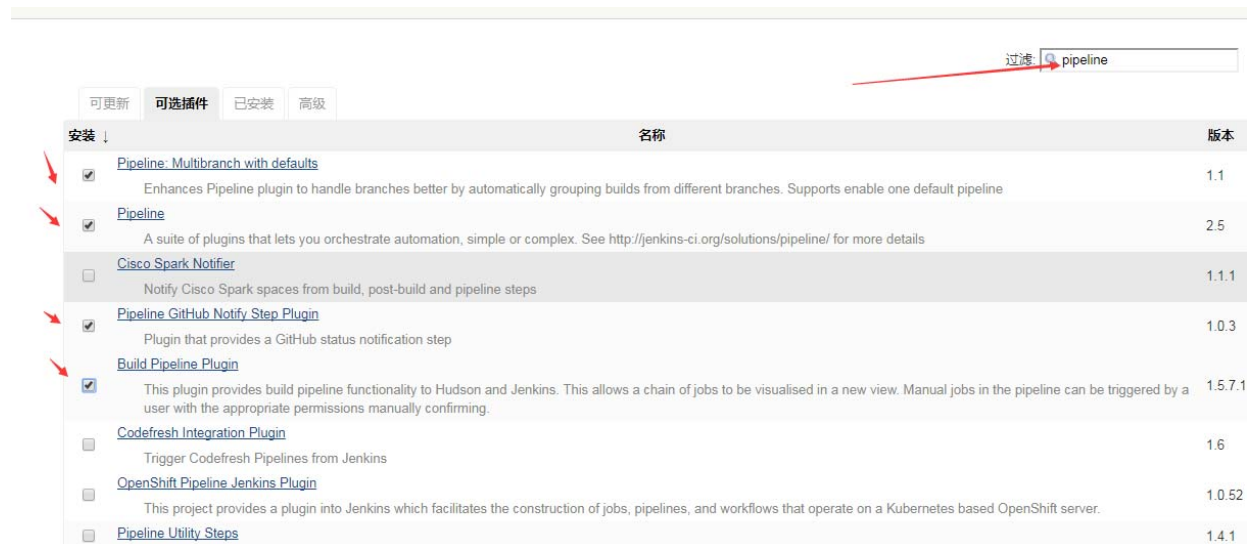
<http://mirror.xmission.com/jenkins/updates/current/update-center.json>





2) 安装自动部署的项目所需要的插件：





创建远程主机。第一步添加凭证：



192.168.1.12:8080/credentials/store/system/domain/\_/credential/c36a625a-97ab-4e87-a470-9a3706324855/update

# Jenkins

Jenkins > Credentials > System > Global credentials (unrestricted) > root (192.168.1.11密码)

[Back to Global credentials \(unrestricted\)](#)  
[Update](#)  
[Delete](#)  
[Move](#)

Scope

Global (Jenkins, nodes, items, all child items, etc)

Username

root

Password

.....

ID

c36a625a-97ab-4e87-a470-9a3706324855

Description

192.168.1.11密码

Save

192.168.1.12:8080/configure

# Jenkins

Jenkins > 配置

构建队列

队列中没有构建任务

构建执行状态

1 空闲

2 空闲

执行数量

2

标记

用法

尽可能的使用这个节点

生成前等待时间

5

SCM检出重试次数

0

☐ Restrict project naming

全局属性

☐ Environment variables

☐ Tool Locations

SSH remote hosts

SSH sites

[Plain text] 预览

2

尽可能的使用这个节点

5

0

☐ Restrict project naming

全局属性

☐ Environment variables

☐ Tool Locations

SSH remote hosts

SSH sites

Hostname

192.168.1.11

Port

22

Credentials

root (192.168.1.11密码)

Pty

☐

serverAliveInterval

0

timeout

0

Check connection

删除

增加

SSH sites that projects will want to connect

Configure System [Jenkins] > An internal unique ID > 192.168.1.12:8080/configure

# Jenkins

Jenkins > 配置

全局属性

☐ Environment variables

☐ Tool Locations

SSH remote hosts

SSH sites

Hostname

192.168.1.11

Port

22

Credentials

root (192.168.1.11密码)

Pty

☐

serverAliveInterval

0

```
#出现了一个test11目录就是我们的django项目的容器
[root@vagrant-centos65 test-git]# ll
total 8
-rw-r--r-- 1 root root 29 Sep 15 12:55 README.md
drwxr-xr-x 3 root root 4096 Sep 15 14:55 test11
#创建一个django app 创建静态模板目录 templates
[root@vagrant-centos65 test11]# python manage.py startapp test22
[root@vagrant-centos65 test11]# mkdir templates
#修改django配置文件
[root@vagrant-centos65 test11]# vim test11/settings.py
TEMPLATES = [
    {
        'BACKEND':
'django.template.backends.django.DjangoTemplates',
        'DIRS': [BASE_DIR+"/templates",],
#添加test22
INSTALLED_APPS = [
    'django.contrib.admin',
    'django.contrib.auth',
    'django.contrib.contenttypes',
    'django.contrib.sessions',
    'django.contrib.messages',
    'django.contrib.staticfiles',
    'test22',
]
#修改3个文件
[root@vagrant-centos65 test11]# cat templates/index.html
<h1>hello zhiliaowen</h1>
[root@vagrant-centos65 test11]# cat test22/views.py
# -*- coding: utf-8 -*-
from __future__ import unicode_literals

from django.shortcuts import render

# Create your views here.
def index(request):
    return render(request, 'index.html')
```



把项目提交到码云：

```
[root@vagrant-centos65 test-git]# git add test11/
[root@vagrant-centos65 test-git]# git commit -m 'test django'
[master cf58679] test django
Committer: root <root@vagrant-centos65.vagrantup.com>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are
accurate.
You can suppress this message by setting them explicitly:
```

```
git config --global user.name "Your Name"
git config --global user.email you@example.com
```

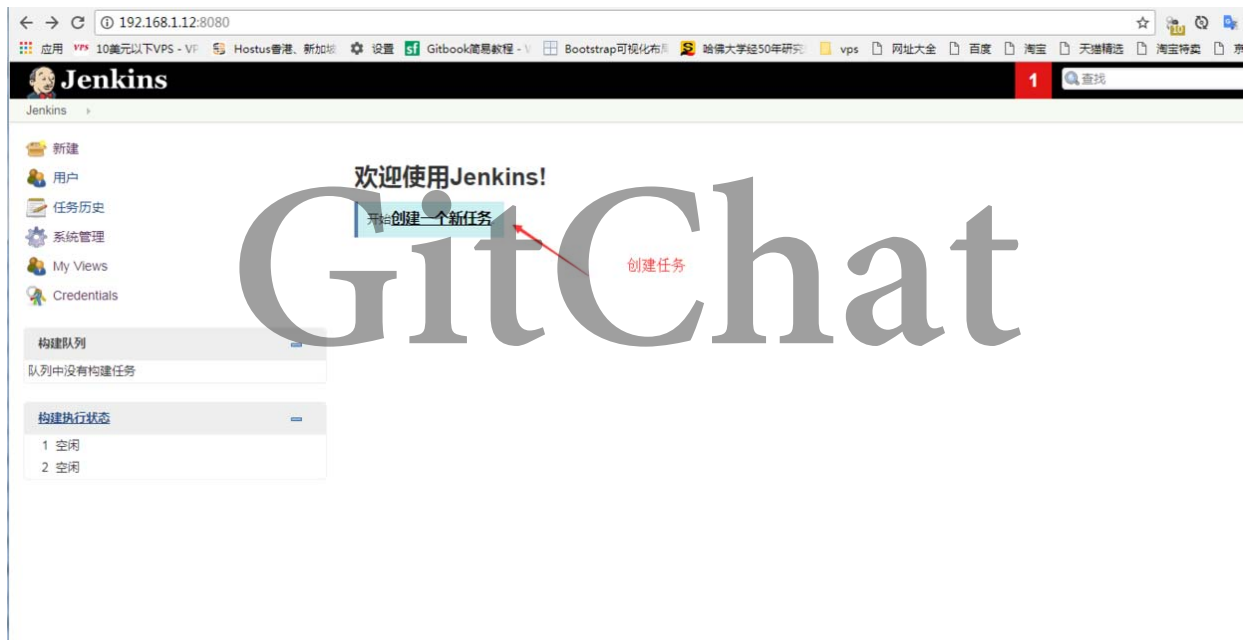
If the **identity** used for this **commit** is wrong, you can fix it with:

```
git commit --amend --author='Your Name <you@example.com>'
```

```
20 files changed, 202 insertions(+), 0 deletions(-)
create mode 100644 test11/db.sqlite3
create mode 100755 test11/manage.py
create mode 100644 test11/templates/index.html
create mode 100644 test11/test11/__init__.py
create mode 100644 test11/test11/__init__.pyc
create mode 100644 test11/test11/settings.py
create mode 100644 test11/test11/settings.pyc
create mode 100644 test11/test11/urls.py
```

```
create mode 100644 test11/test22/views.pyc
[root@vagrant-centos65 test-git]# git config --global user.name
"zhiliaoawen"
[root@vagrant-centos65 test-git]# git config --global user.email
44262769@qq.com
[root@vagrant-centos65 test-git]# git push
Counting objects: 29, done.
Compressing objects: 100% (25/25), done.
Writing objects: 100% (28/28), 7.02 KiB, done.
Total 28 (delta 2), reused 0 (delta 0)
To git@git.oschina.net:ZhiLiaoAWen/test.git
 47edbd..cf58679 master -> master
#哈哈代码提交成功了
```

## 八、创建测试任务



## Enter an item name

master\_build

» Required field



### 构建一个自由风格的软件项目

这是Jenkins的主要功能。Jenkins将会结合任何SCM和任何构建系统来构建你的项目，甚至可以构建软件以外的系统。



### Pipeline

Orchestrates long-running activities that can span multiple build slaves. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.



### 构建一个多配置项目

适用于多配置项目，例如多环境测试，平台指定构建，等等。



### Folder

Creates a container that stores nested items in it. Useful for grouping things together. Unlike view, which is just a filter, a folder creates a separate namespace, so you can have multiple things of the same name as long as they are in different folders.



### Multibranch Pipeline

Creates a set of Pipeline projects according to detected branches in one SCM repository.

OK

jr\_build >

General 源码管理 构建触发器 构建环境 构建 构建后操作

项目名称 master\_build

描述 test master

[Plain text] 预览

☐ Throttle builds

☒ 丢弃旧的构建

Strategy Log Rotation

保持构建的天数 7

如果非空，构建记录将保存此天数

保持构建的最大个数 32

如果非空，最多此数目的构建记录将被保存

高级...



源码管理

☐ None  
☒ Git

Repositories

Repository URL  git码云版本库地址

Failed to connect to repository : Command "git ls-remote -h git@git.oschina.net:ZhiLiaoAWen/test.git HEAD" returned status code 128:  
stdout:  
stderr: Host key verification failed.  
fatal: The remote end hung up unexpectedly

Credentials  添加凭证 高级...

Add Repository

Branches to build

Branch Specifier (blank for 'any')  高级...

Add Branch

源码库浏览器  高级...

Additional Behaviours Add

```
[root@vagrant-centos65 test-git]# cd ~/.ssh/
id_rsa id_rsa.pub known_hosts
[root@vagrant-centos65 test-git]# cd ~/.ssh/id_rsa
-bash: cd: /root/.ssh/id_rsa: Not a directory
[root@vagrant-centos65 test-git]# cat ~/.ssh/id_rsa
-----BEGIN RSA PRIVATE KEY-----
MIIEowIBAAKCAQEA8n0uaD1t3HRWDxFcBXp769peImctPFBjTV2b3Co6jyzw9FLr
VouuvK793hrigi/KYBN//Bewz1Hb7b9mx8MyfW0w9tHBJo43Ok/v6fhAGZf0yFO5
3wFG3yKCYuwyPzbIPziwrUPbuB12jLiwoR/a51rDsD3/Y6155g6FZ0fp+jnRCawz
1P/Jed066JeeI0eTiiz9qR2pzGzYK+QPwdHur/ZMYvoKep+NBBuly412rjtQpokG
drZtseHNCiwrqE4TqyTmJ/jvEyZH1ZAww5E69AoAqGgP7J24GwH5JaT3Ykz9hPb4
yey1os6aNGBT47wtJ8Inp1tdj3oot/GnRNYGXQIBiWKAQEA6MKkFvcjz49wKMG
EZpDRYuryYh3puf7ZINF+yzd9FPFjYwzt4db1euyQdHxj2ZvyCHTlYA5ZLweb+s
0NC4qnfywhoYzWMMutrV9Apr8KLYmkJ62CYduvY5+y/Dudvpc37GT2367utsPCNK
dLmFIQyZYI50snQdmUj17EYncAPEPa3BMiHDXt2HFbtGIDyiwkYiwerLoPLYBqQ
/JKRD9Hm6wcaKF01x3sf8F9xxEGesVjusizUVNQrmynxr+169HPnzpwusZ3mNoeZ
R6K3bqHHI5sowJFBAJwzpykC7L6vhoV3g9wwUuL5gJrc1bczk0f2xoMccz4SeY
Iwp9JwKBgQD6t7U09E1QtDsYT8Kc3hz588HSLAQAwHh8TxafpDw+oGGNb40yEBB
9+hJYev3wfjSZxb8abXFqm5X2H72QhpjPGYbHPd3ZEc/VAd+qOR6Tsdukboj/zPc
RX3WEnLEUQUviYVUvwpoe0CbWJHVkRtMlu/6EjJYrg+c8rTDxsGekBqGD3mRdB
stkam5TJB1ACzew4tqm5JeuAIuPI9w1Pjo+7pcmxAwZ6q2LATtdj/6pPCXjFtVvt
S5Gg5HOLEA1Z3spYCsDcQwCAugP7Y3JG5458N8e3dsyv0P/4Tb09Mxrc1jCR+m2w
Zj41J2I2fmsimlylue3Em7NNGDgD9jw10JM7BwKBgQD1oJ9Gw7C+0Ks06daAyxmt
q6nkrImoPUOMv00fiaj/EotzzFX+4vjr21qI1Arwx0nk8IOLwvw8CY104zJAPG/l
s5CN0Vd1lkejq94qqQtogopzuGm6gu2wMOgULh/Jbt8o6F1vubNZQ5bdpdYymAQM
EMjp+PIXNa/EEhiGdDX35wKBgH9wC/Xm809Nujt/ltypciV0bkU86D8AB41EZag
QmbnjExn9LQdoIAoi/ortqyDf/Cmacp+oqqEHipcwphGsTSX00aAcXbL3KoLCR3
Fhp/bgau3kvkkkuvrn6PT6TF7Rff4KPCz4DSbQYUSzyoh2sr1bWR5y8r/40CStmK
Z2AvaOGBAPN3X5mLznjbmqYgs+9cyGYDiorZGYmyO/xcnbAkSQ4oFYPDG7xMLuzV
xv1eqBX381RYVjsiSmpjp8M6vnfJgpGRWdQY87pd56gqNunbSKxdaIjmrVRqvTH
ibi9RD9FYyijq4D3d60Gk00A8ki5onfd+kwbagMw2SydrkfAYT
-----END RSA PRIVATE KEY-----
[root@vagrant-centos65 test-git]#
```

拷贝服务器的私钥到jenkins服务器

### Jenkins Credentials Provider: Jenkins

**Add Credentials**

Domain: Global credentials (unrestricted)

Kind: SSH Username with private key

Scope: Global (Jenkins, nodes, items, all child items, etc)

Username: root111 凭证的名字 随便取

Private Key: ☒ Enter directly

Key: QMbnjExn9LQd0IAoi/ortqyDf/Cmacp+oqqEHipCwphGsTSX0OaDAcXbL3KoLCR3  
FhP/bgaU3kvKkkUvRn6PT6TF7Rff4KPcz4DSbQYUSzYoh2srlbWR5y8r/40CStmK  
z2AvAoGBAPN3X5mLznjbMqYgs+9cyGYDioRzGYmyO/xcnbAkSQ4oFYPDG7xMLuzV  
xV1eQBX38IRYVjsiSmpjp8M6vnfJgpGRWDqY87pd56gqNUnbSKxdalJmjfVRqvTH  
ibi9RD9FYiijq4D3dD6OGk00A8ki5ontD+kWbagWMW2SydrkfAYT 服务器的私钥

☐ From a file on Jenkins master

☐ From the Jenkins master ~/.ssh

Passphrase:

ID:

Description:

General **源码管理** 构建触发器 构建环境 构建 构建后操作

☐ None

☒ Git

Repositories

Repository URL: git@git.oschina.net:ZhiLiaoAWen/test.git

Failed to connect to repository : Command "git ls-remote -h git@git.oschina.net:ZhiLiaoAWen/test.git HEAD" returned status code 128:  
stdout:  
stderr: Warning: Permanently added 'git.oschina.net:218.11.0.86' (RSA) to the list of known hosts.  
Permission denied (publickey).  
fatal: The remote end hung up unexpectedly

Credentials: root111 选择你的凭证

Name:

Refspec:

Branches to build

Branch Specifier (blank for 'any'): \*/master

源码库浏览器

### 构建

Execute shell

Command

cd test11  
python manage.py test    使用python manage.py test 测试django代码

See [the list of available environment variables](#)

高级...

增加构建步骤

### 构建后操作

E-mail Notification

Recipients

44262769@qq.com    如果构建失败就会发送邮件到这个邮箱

Whitespace-separated list of recipient addresses. May reference build parameters like \$PARAM. E-mail will be sent when a build fails, becomes unstable or returns to stable.

☒ 每次不稳定的构建都发送邮件通知  
☐ 单独发送邮件给对构建造成不良影响的责任人

增加构建后操作步骤

Jenkins

master\_build

Project master\_build

test master

GitChat

返回面板

状态

修改记录

工作空间

立即构建    手动触发一次构建

删除 Project

配置

Git Polling Log

工作区

最新修改记录

Build History

构建历史

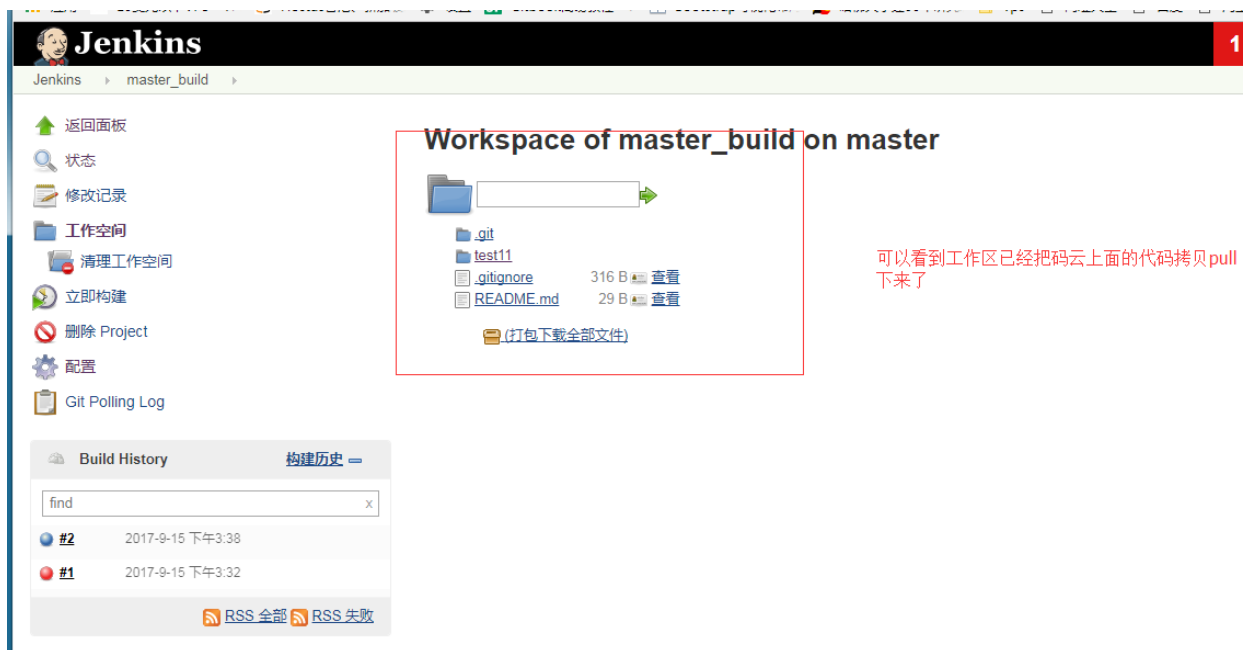
find

#1    2017-9-15 下午3:32

RSS 全部    RSS 失败

相关链接

- Last build(#1).1分14秒之前
- Last failed build(#1).1分14秒之前
- Last unsuccessful build(#1).1分14秒之前
- Last completed build(#1).1分14秒之前



公钥和私钥分配：

```
[root@vagrant-centos65 ~]# ssh-keygen -t rsa -C "xxxx@qq.com"
cat ~/.ssh/id_rsa.pub    发送给码云
cat ~/.ssh/id_rsa        写入到jenkins
```

## 九、创建内网部署任务

注意：

BUILD\_ID=DONTKILLME：在jenkins里面在后台运行的程序都会被jenkins自动杀死 所以需要加上BUILDID这个参数。加了这个参数你的程序就不会被杀。



192.168.1.12:8080/newView

Jenkins

新建  
用户  
任务历史  
项目关系  
检查文件指纹  
系统管理  
My Views  
Credentials

视图名称: master\_deploy

☐ List View  
显示简单列表。你可以从中选择任务来显示在某个视图中

☒ 我的视图  
This view automatically displays all the jobs that the current user has an access to.

OK 创建一个deploy(部署)的项目


构建队列  
队列中没有构建任务


构建执行状态  
1 空闲  
2 空闲


Enter an item name


master\_deploy


» Required field

 **构建一个自由风格的软件项目**  
这是Jenkins的主要功能。Jenkins将会结合任何SCM和任何构建系统来构建你的项目, 甚至可以构建软件以外的系统。


 **Pipeline**  
Orchestrates long-running activities that can span multiple build slaves. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.

 **构建一个多配置项目**  
适用于多配置项目, 例如多环境测试, 平台指定构建, 等等。

 **Folder**  
Creates a container that stores nested items in it. Useful for grouping things together. Unlike view, which is just a filter, a folder creates a separate namespace, so you can have multiple things of the same name as long as they are in different folders.

 **Multibranch Pipeline**  
Creates a set of Pipeline projects according to detected branches in one SCM repository.

if you want to create a new item from other existing, you can use this option:

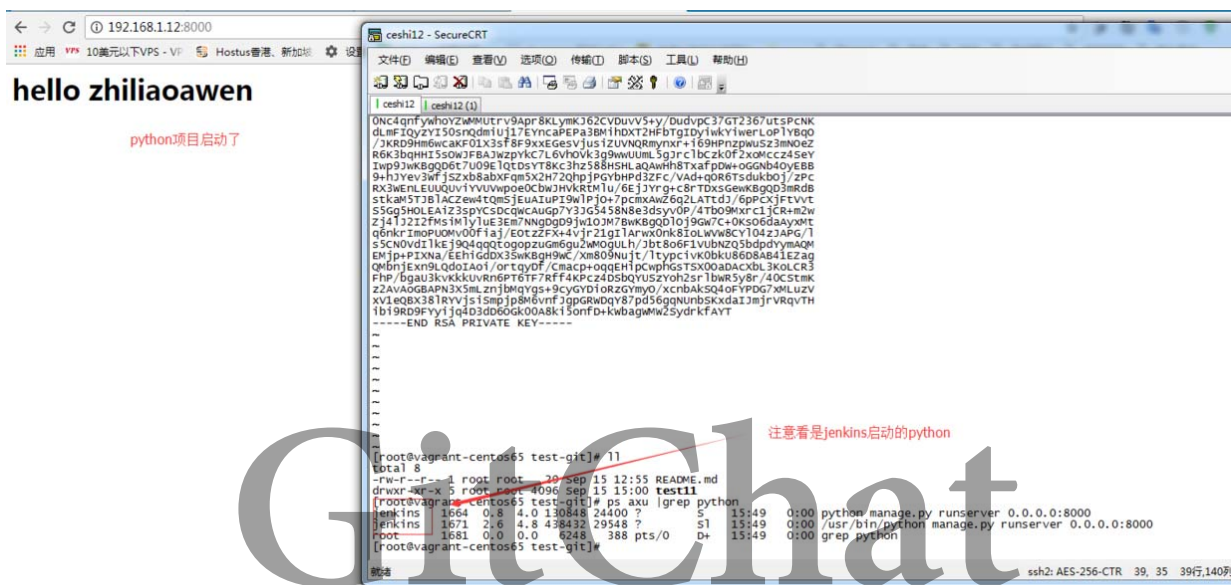
 Copy from master\_build

OK

拷贝master\_build可以让我们更快速的创建新的任务

构建触发器

☐ 触发远程构建 (例如, 使用脚本)



## 十、创建外网部署任务

## Enter an item name

» Required field



### 构建一个自由风格的软件项目

这是Jenkins的主要功能。Jenkins将会结合任何SCM和任何构建系统来构建你的项目，甚至可以构建软件以外的系统。



### Pipeline

Orchestrates long-running activities that can span multiple build slaves. Suitable for building pipelines (formerly known as workflows) and organizing complex activities that do not easily fit in free-style job type.



### 构建一个多配置项目

适用于多配置项目，例如多环境测试，平台指定构建，等等。



### Folder

Creates a container that stores nested items in it. Useful for grouping things together. Unlike view, which is just a filter, a folder creates a namespace, so you can have multiple things of the same name as long as they are in different folders.



### Multibranch Pipeline

Creates a set of Pipeline projects according to detected branches in one SCM repository.

if you want to create a new item from other existing, you can use this option:



Copy from

OK

# GitChat

## 构建触发器

☐ 触发远程构建 (例如,使用脚本)

☒ Build after other projects are built

Projects to watch

master\_deploy,

在构建触发器这里我们让他在部署本地成功后再部署远程服务器

☒ Trigger only if build is stable

☐ Trigger even if the build is unstable

☐ Trigger even if the build fails

☐ Build periodically

### 构建环境

☒ Execute shell script on remote host using ssh 选择远程执行脚本

SSH site: root@192.168.1.11:22

Pre build script

Post build script: sh /data/xxx.sh 在远端主机执行这个脚本

☐ Use secret text(s) or file(s)

### 构建后操作

#### E-mail Notification

Recipients: 44262769@qq.com

Whitespace-separated list of recipient addresses. May reference build parameters like \$PARAM. E-mail will be sent when a build fails, becomes unstable or returns to stable.

☒ 每次不稳定的构建都发送邮件通知

☐ 单独发送邮件给对构建造成不良影响的责任人

增加构建后操作步骤

保存 Apply 点击保存

远程主机要做的事情：

1. 安装django
  2. 创建一个目录把代码版本库拉取到本地
  3. 写脚本来运行你代码
- 脚本内容

xxx.sh：



```
nohup python manage.py runserver 0.0.0.0:8000 > /dev/null 2>&1
&
```



远端服务部署成功

