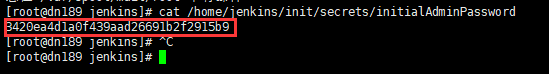
# Jenkins技术指南

1. Jenkins配置
2. 启动

java -DJENKINS\_HOME=/home/init -jar jenkins\*.war --httpPort=${HTTP\_PORT}

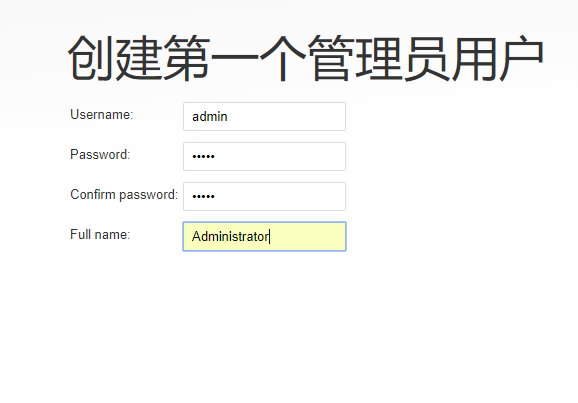
1. 解锁Jenkins





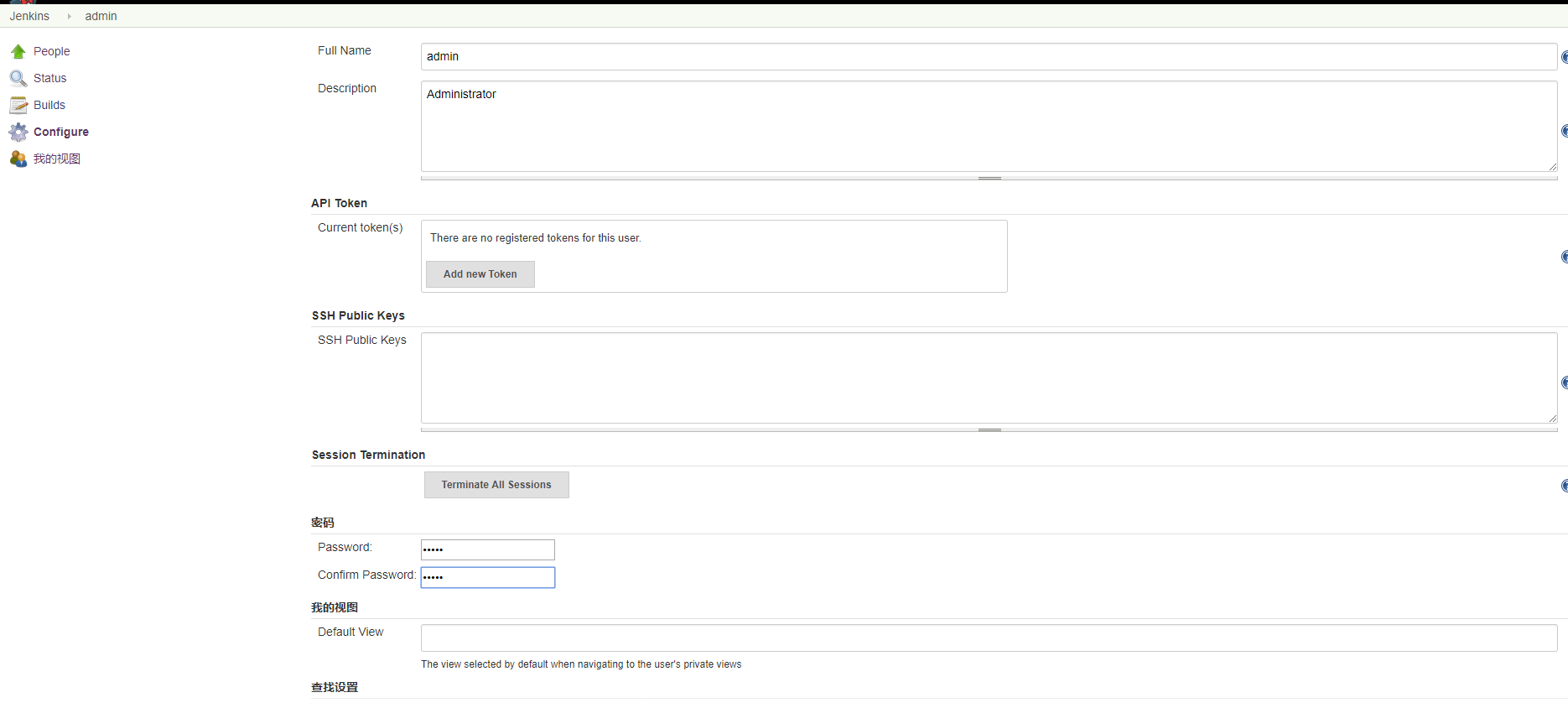
注：根据提供路径获取解锁认证

1. 创建管理员和实例

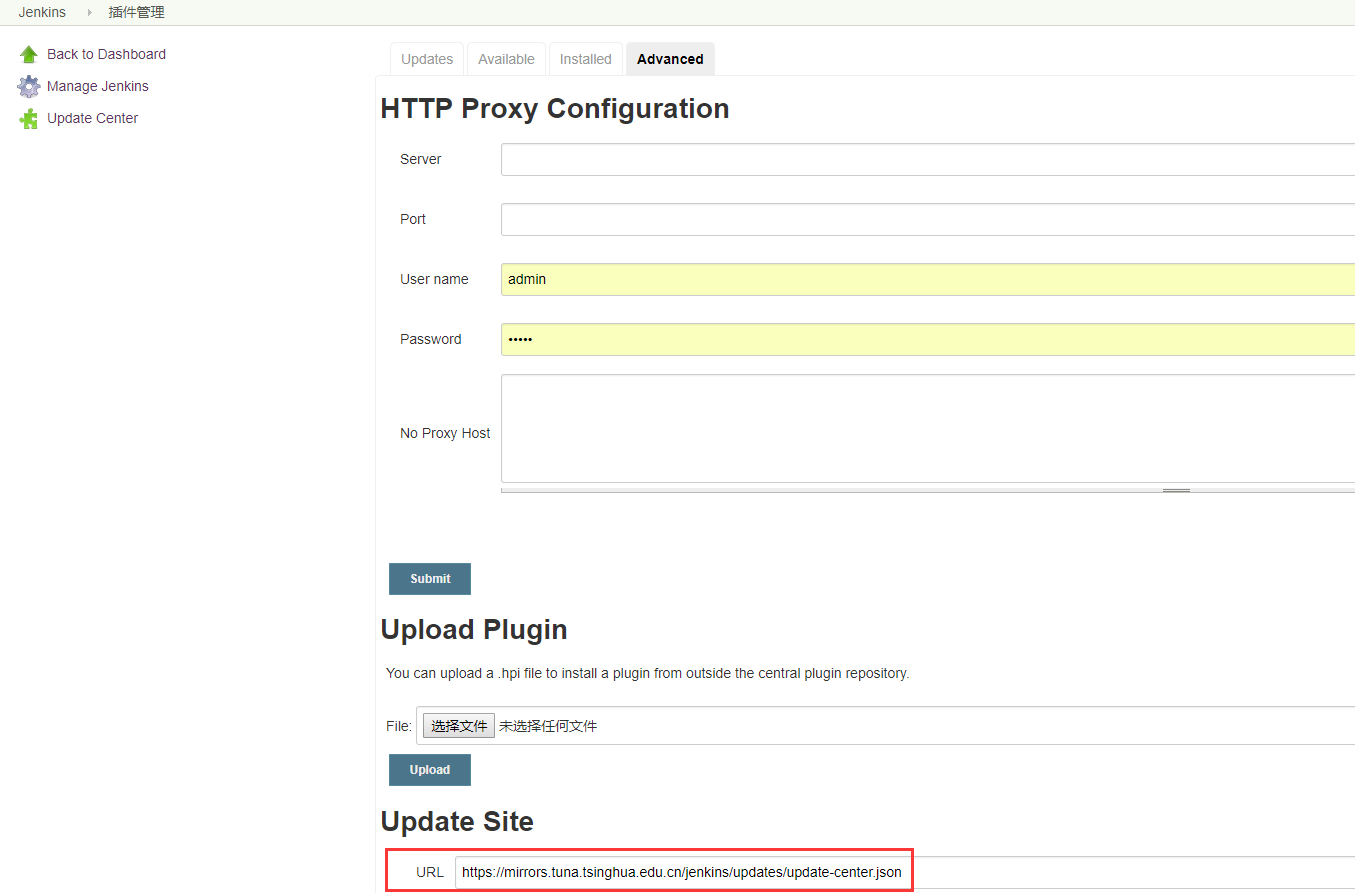




1. 管理员（修改密码）



1. 更改插件地址



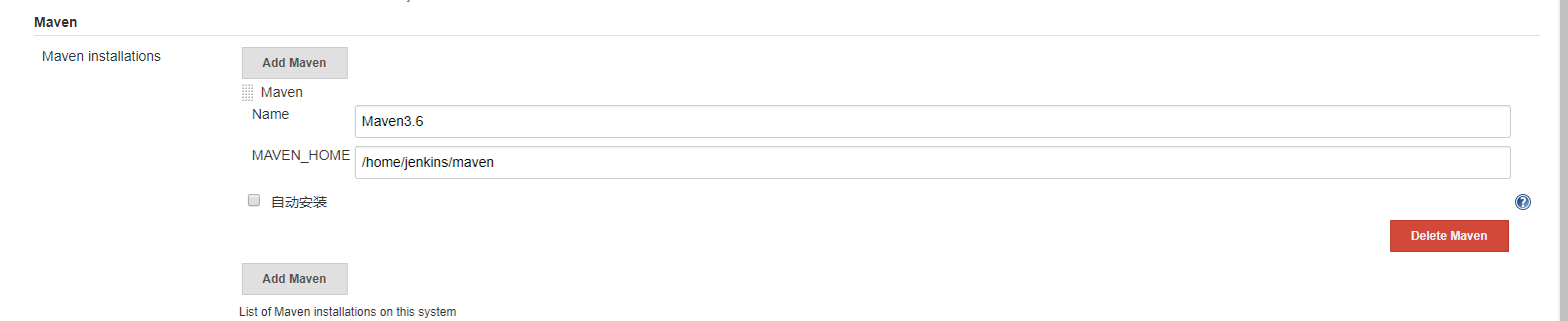
https://mirrors.tuna.tsinghua.edu.cn/jenkins/updates/update-center.json

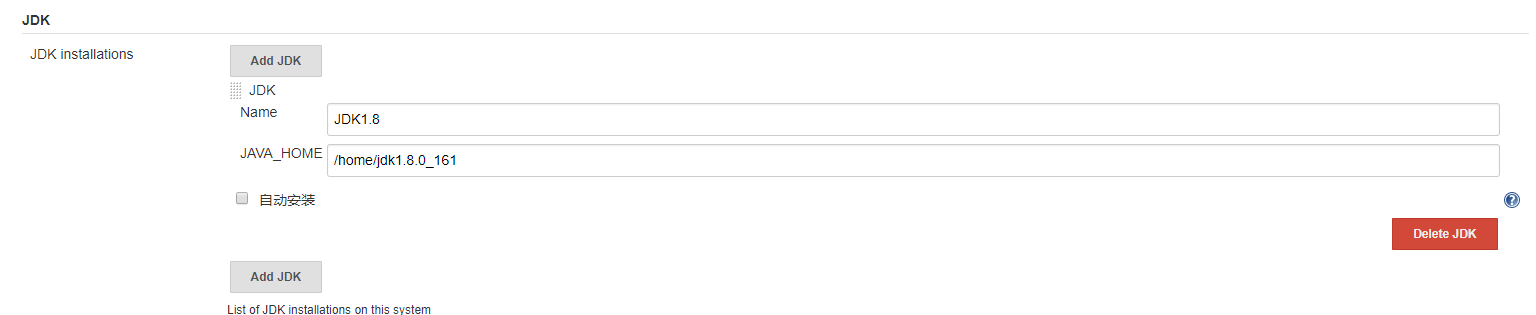
1. Jenkins集成Maven及配置
2. Linux安装Maven

tar -zxvf apache-maven-3.6.0-bin.tar.gz

1. Jenkins配置

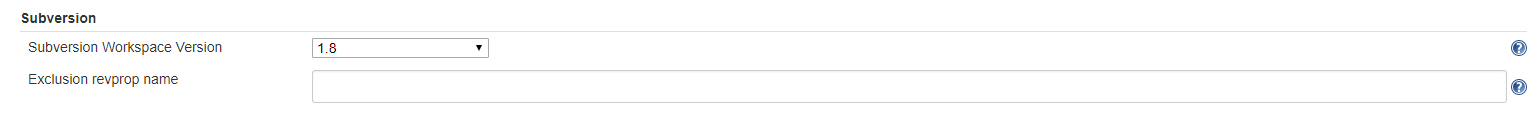






1. Jenkins集成SVN及配置（[Subversion Plug-in](https://wiki.jenkins.io/display/JENKINS/Subversion+Plugin)插件）





1. Linux配置expect(支持shell自动认证传输打包文件)
2. 镜像安装

yum install  expect

1. 安装包安装



rpm ivh tcl-8.5.13-8.el7.x86\_64.rpm

rpm ivh expect-5.45-14.el7\_1.x86\_64.rpm

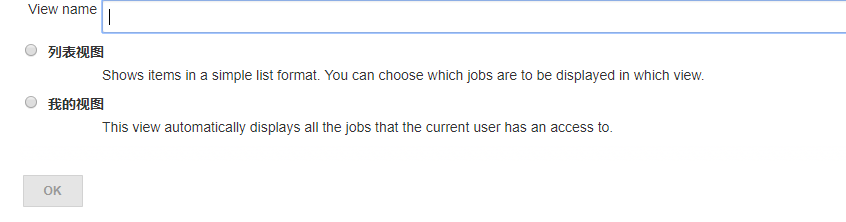
1. Jenkins集成SCP（[Hudson SCP publisher plugin](http://wiki.hudson-ci.org/display/HUDSON/SCP+plugin)插件）







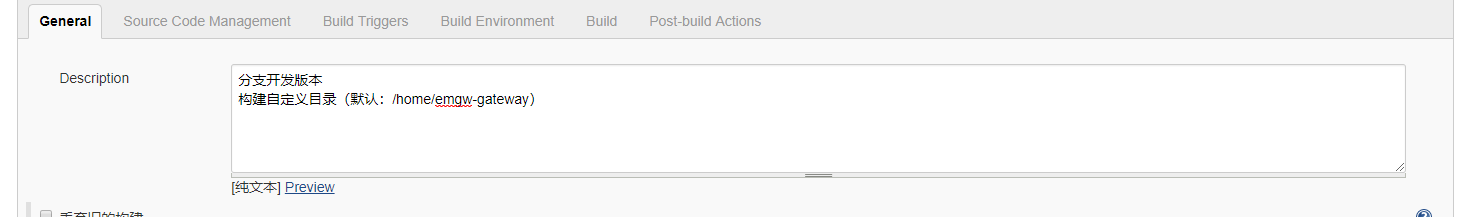
1. Jenkins构建项目
2. 构建视图



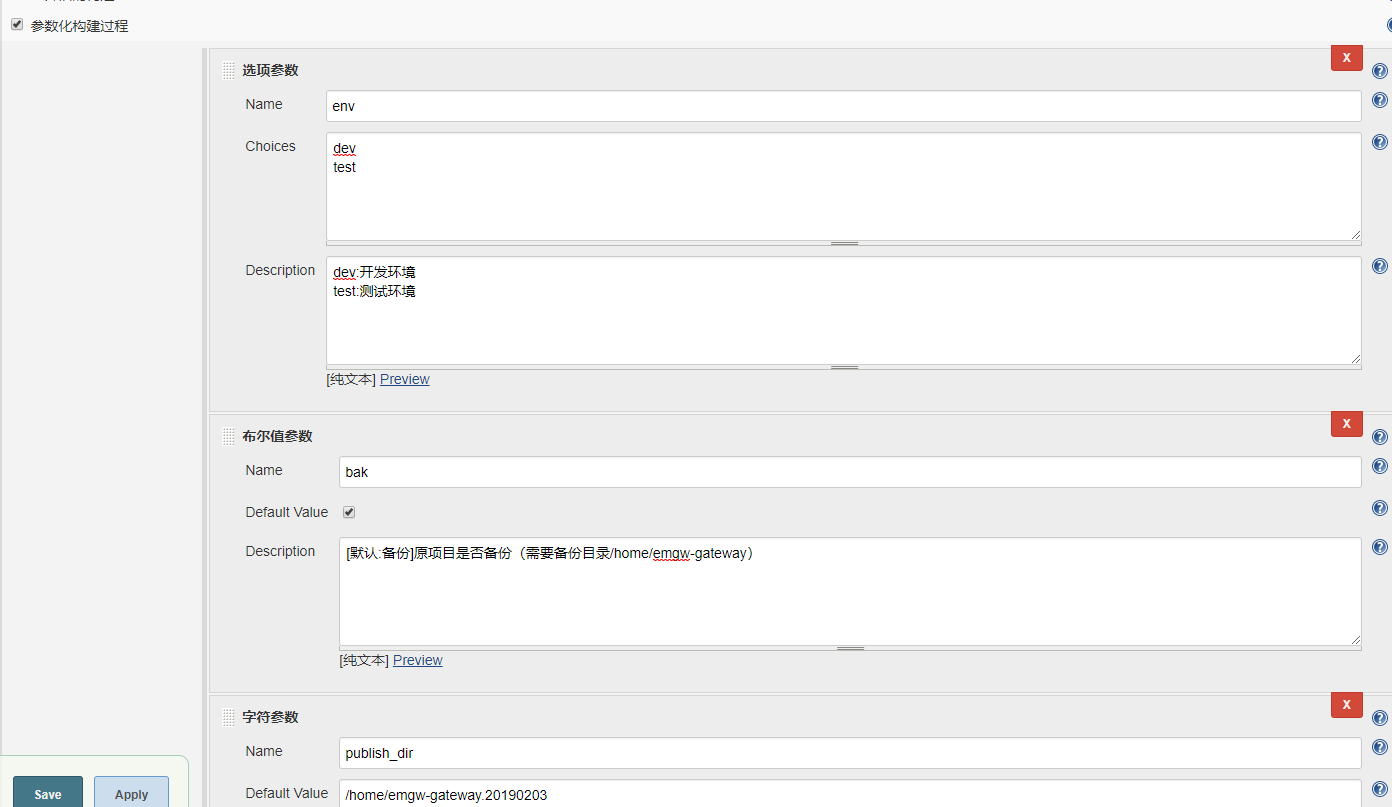
1. 构建任务



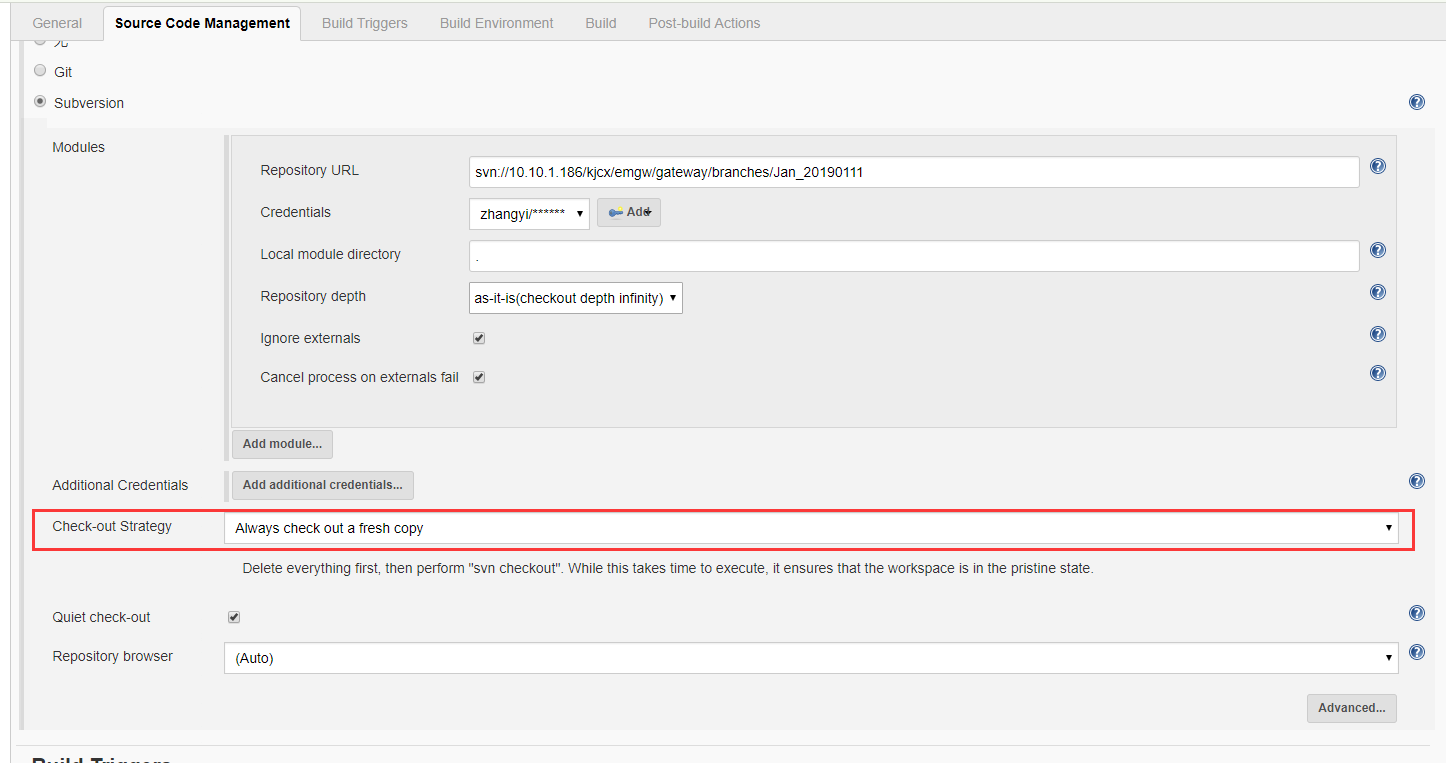
#### 1）常规



#### 2）参数



#### 3）源码管理



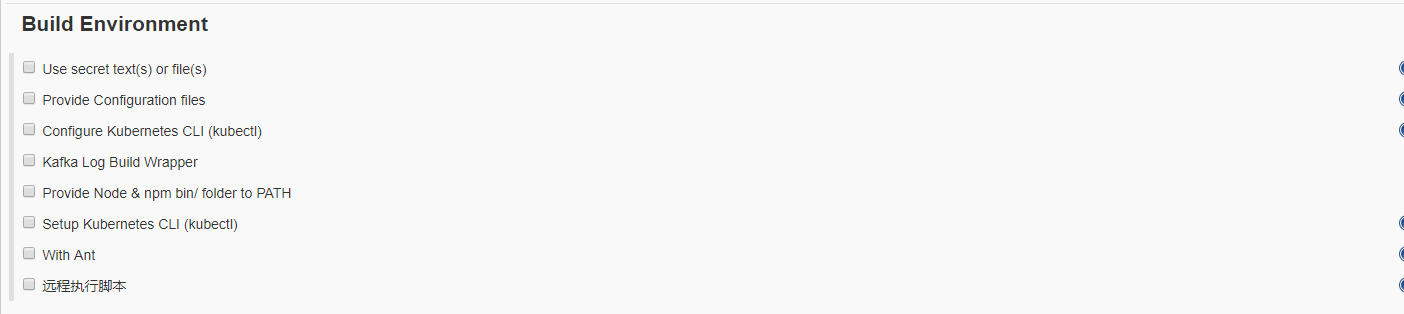
检出策略：Always check out a fresh copy 每次将从SVN上拉取全包进行打包

#### 4）触发策略（定时构建、轮训SCM）

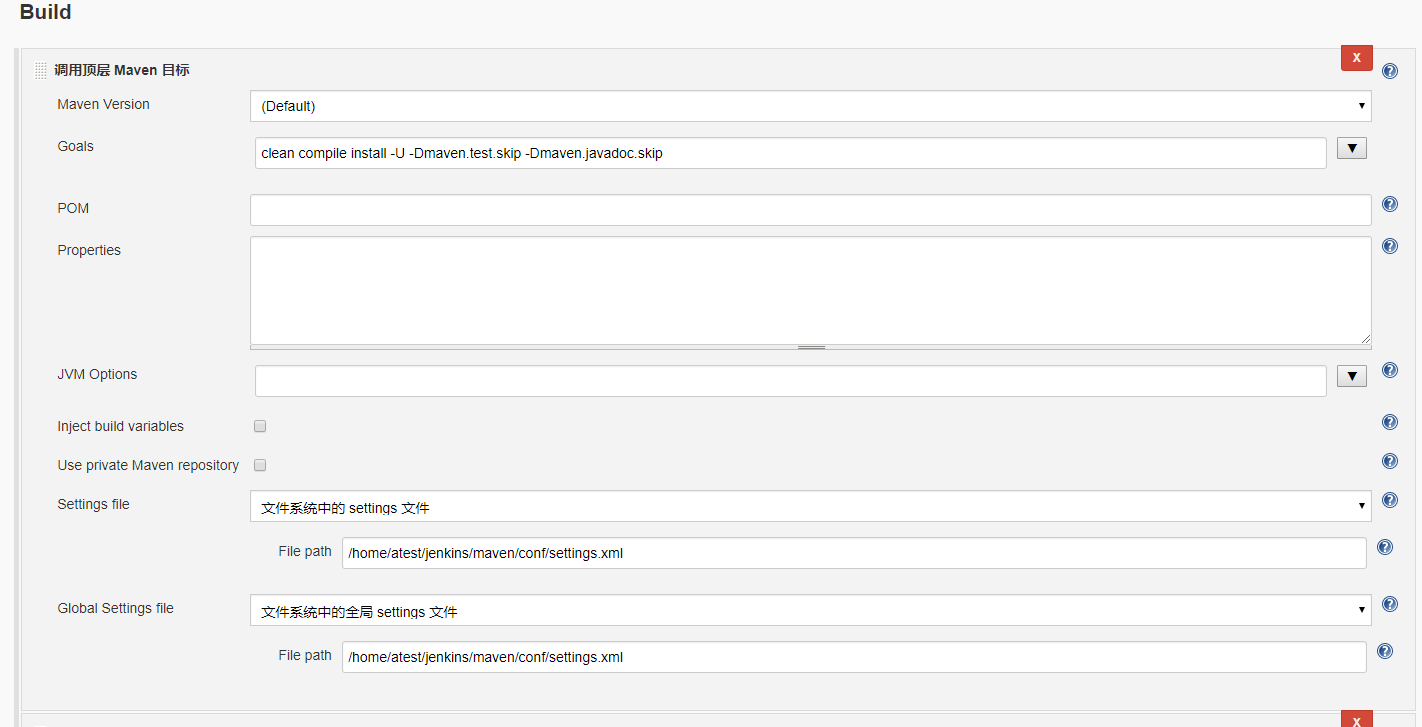


注：H 5 \* \* \*（首位必须H开头，代表分小时天月年周）

#### 5）构建环境



#### 6）构建



Pom可配置父节点: pom.xml

#### 7)执行子包打包及发布指定目录(shell)



#### 8)跨服务传输(expect的shell方式)

cd deploy

mvn ${MAVEN\_CONF} assembly:assembly -P ${env}

publish\_dir=${publish\_dir}

isbak=${bak}

if [ ! -d ${publish\_dir} ] ; then

mkdir -p ${publish\_dir}

isbak=false;

fi

path=${publish\_dir}/..

base\_path="$(cd "${path}";pwd)"

bak\_dir=${base\_path}/emgw-gateway\_`date "+%Y%m%d"`\_bak/`date "+%Y-%m-%dT%H"`

if ${isbak}; then

echo "${isbak},${bak\_dir}"

if [ ! -d ${bak\_dir} ] ; then

mkdir -p ${bak\_dir}

else

rm -rf ${bak\_dir}/\*

fi

cp -r ${publish\_dir}/\* ${bak\_dir}/

fi

rm -rf ${publish\_dir}/\*

cp -r target/\*.tar.gz ${publish\_dir}

cd ${publish\_dir}

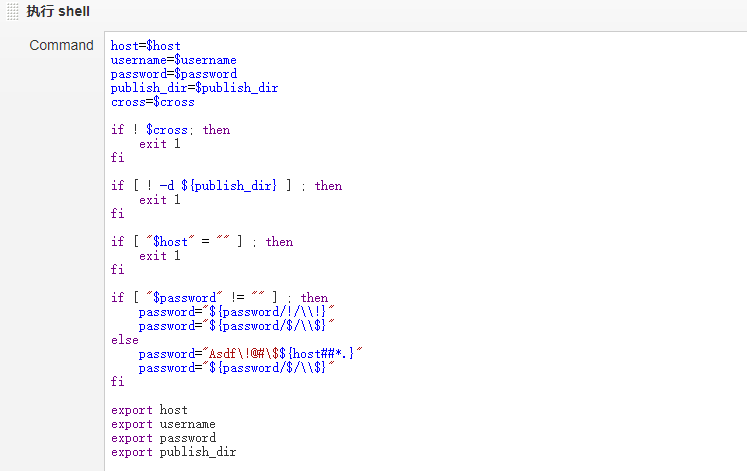
tar -zxvf \*.tar.gz

cp -r ${publish\_dir}/emgw-gateway/\* ${publish\_dir}

rm -rf ${publish\_dir}/emgw-gateway\*

dos2unix \*.sh

chmod +x \*.sh





注：**第一步构建expect的环境变量，第二步执行expect的scp自动认证传输**

host=$host

username=$username

password=$password

publish\_dir=$publish\_dir

cross=$cross

if ! $cross; then

exit 1

fi

if [ ! -d ${publish\_dir} ] ; then

exit 1

fi

if [ "$host" = "" ] ; then

exit 1

fi

if [ "$password" != "" ] ; then

password="${password/!/\\!}"

password="${password/$/\\$}"

else

password="Asdf\!@#\$${host##\*.}"

password="${password/$/\\$}"

fi

export host

export username

export password

export publish\_dir

export publish\_dir

#!/bin/expect

set timeout 30

set host $env(host)

set username $env(username)

#set password $env(password)

set publish\_dir $env(publish\_dir)

spawn scp -r $publish\_dir $username@$host:$publish\_dir

expect {

"(yes/no)?"

{

send "yes\n"

expect "\*assword:" { send "$password\n"}

}

"\*assword:"

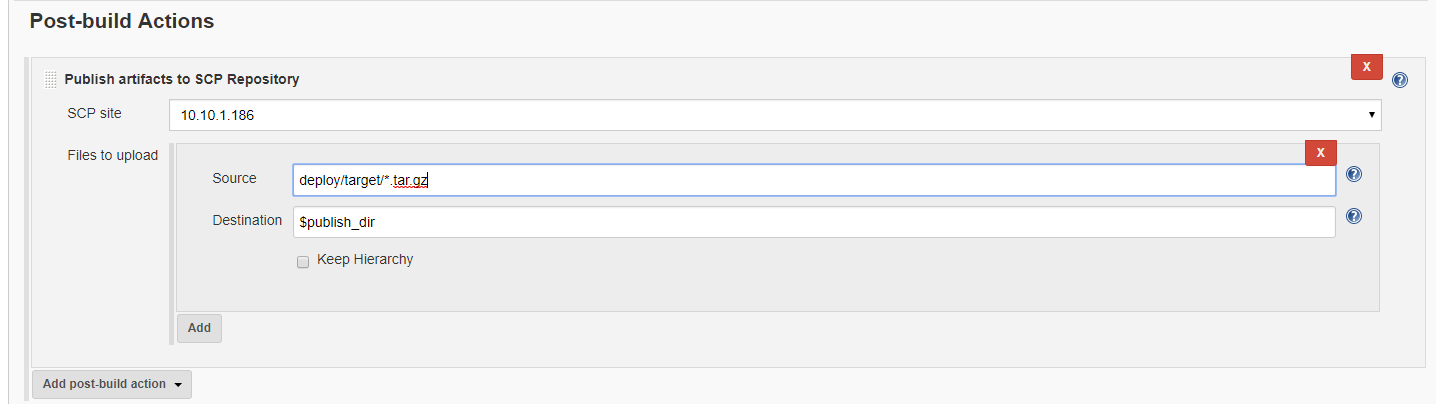
{

send "$password\n"

}

}

#### 9）Publish SCP传输



注：source为workspace的根目录（不能定位操作系统目录），target为目标路径