1. **常用命令**

|  |  |
| --- | --- |
| ps -ef | grep java | 查看java进程 |
| kill -9 java进程序号 | 停止java进程 |
| ll -a | 显示所有文件（包含隐藏文件） |
| ls -a | 显示所有文件（包含隐藏文件） |
| chmod -R 777 filename | 所有用户可以读、写、可执行 |
| rz | Centos上传 |
| sz | Centos下载 |
| rm -rf /var/log | 强制删除/var/log及其子目录，而且没有提示 |
| /devops/apache-tomcat-8.5.33/bin/startup.sh |  |
| /devops/apache-tomcat-8.5.33/bin/shutdown.sh |  |
| tail -f /devops/apache-tomcat-8.5.33/logs/catalina.out |  |

1. **预处理**
   1. 升级yum

sudo yum update

* 1. 建立目录

mkdir /devops

* 1. 需下载的软件

|  |  |
| --- | --- |
| Oracle jdk8 | http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html |
| jdk-8u181-linux-x64.rpm -> /devops/jdk-8u181-linux-x64.rpm |
| Maven安装文件 | <http://maven.apache.org/download.cgi>  http://mirrors.shu.edu.cn/apache/maven/maven-3/3.5.4/binaries/apache-maven-3.5.4-bin.tar.gz  <http://mirrors.tuna.tsinghua.edu.cn/apache/maven/maven-3/3.5.4/binaries/apache-maven-3.5.4-bin.tar.gz> |
| apache-maven-3.5.4-bin.tar.gz -> /devops/apache-maven-3.5.4-bin.tar.gz |
| Git源码 | https://github.com/git/git/releases  <https://github.com/git/git/archive/v2.18.0.tar.gz> |
| v2.18.0.tar.gz-> /devops/git-source-v2.18.0.tar.gz |
| Tomcat8 | <http://tomcat.apache.org/>  <http://mirrors.hust.edu.cn/apache/tomcat/tomcat-8/v8.5.33/bin/apache-tomcat-8.5.33.tar.gz> |
| apache-tomcat-8.5.33.tar.gz -> /devops/apache-tomcat-8.5.33.tar.gz |
| Jenkins的war文件 | <https://jenkins.io/download/>  <http://mirrors.jenkins.io/war-stable/2.121.3/jenkins.war>  <http://ftp-nyc.osuosl.org/pub/jenkins/war-stable/2.121.3/jenkins.war> |
| jenkins.war -> /devops/jenkins-2.121.3.war |
|  |  |
|  |  |

|  |
| --- |
|  |

1. **JDK安装**

* <https://blog.csdn.net/qq_32786873/article/details/78749384>
  1. 卸载java

|  |
| --- |
| yum list installed | grep java  yum -y remove java-1.8.0-openjdk\* |

* 1. 下载、安装

|  |
| --- |
| cd /devops  rz #C:/\_xwhxuxwh/DevOps/software/jdk-8u181-linux-x64.rpm  rpm -ivh jdk-8u181-linux-x64.rpm |

* 1. 验证

|  |
| --- |
| java -version |

1. **Maven**
   1. 下载、安装

|  |
| --- |
| cd /devops  rz #C:/\_xwhxuxwh/DevOps/software/apache-maven-3.5.4-bin.tar.gz  tar zxf apache-maven-3.5.4-bin.tar.gz |

* 1. 在/etc/profile中添加变量

|  |
| --- |
| export M2\_HOME=/devops/apache-maven-3.5.4  export PATH=$PATH:$M2\_HOME/bin |

* 1. 使配置生效及验证

|  |
| --- |
| source /etc/profile  mvn -v |

1. **Git安装**
   * <https://blog.csdn.net/lp112124/article/details/53924330>
   * <https://www.cnblogs.com/gsliuruigang/p/7899803.html>
   * <https://www.cnblogs.com/oufeng/p/6614042.html>
   * <https://blog.csdn.net/qq_37392932/article/details/81045538>
   * https://github.com/git/git/releases
   * <https://git-scm.com/>
   1. 删除自带git

|  |
| --- |
| yum remove git |

* 1. 编译Git

|  |
| --- |
| yum install gcc  yum install gcc-c++  yum install curl-devel expat-devel gettext-devel openssl-devel zlib-devel  yum install perl-ExtUtils-MakeMaker package  yum remove git  cd /devops/  rz # C:\\_xwhxuxwh\DevOps\software\ git-source-v2.18.0.tar.gz  tar -zxvf git-source-v2.18.0.tar.gz  cd /devops/git-source-v2.18.0  make && make install |

* 1. 在/etc/profile中添加变量

|  |
| --- |
| export PATH=/usr/local/git/bin:$PATH |

* 1. 使配置生效

|  |
| --- |
| source /etc/profile  git --version |

1. **Tomcat**
   1. **安装**

|  |
| --- |
| cd /devops  rz #C:/\_xwhxuxwh/DevOps/software/apache-tomcat-8.5.33.tar.gz  tar zxf apache-tomcat-8.5.33.tar.gz  /devops/apache-tomcat-8.5.33/bin/startup.sh |

* 1. 修改**发布权限**

vim /devops/apache-tomcat-8.5.33/conf/tomcat-users.xml

|  |
| --- |
| <role rolename="manager-gui"/>  <role rolename="admin-gui"/>  <role rolename="manager-script"/>  <user username="tomcat" password="tomcat" roles="manager-script,manager-gui,admin-gui"/> |

1. **Jenkins**
   1. 下载

|  |
| --- |
| cd /devops/apache-tomcat-8.5.33/webapps  rz #C:/\_xwhxuxwh/DevOps/software/jenkins-2.121.3.war  mv jenkins-2.121.3.war jenkins.war |

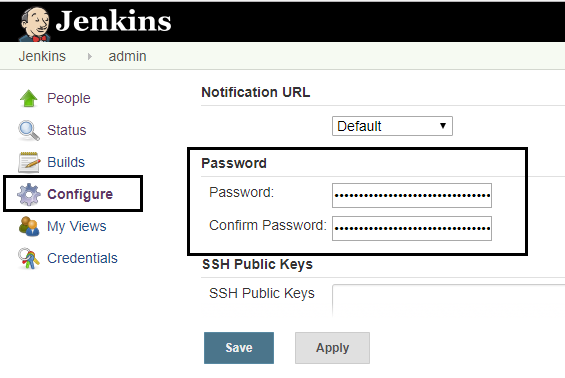
\*jenkins所在目录 /root/.jenkins/

\*查看密码：vim /root/.jenkins/secrets/initialAdminPassword

\*url: <http://192.168.182.139:8080/jenkins>

* 1. 修改admin账号密码

进入[Manage Jenkins->Manage Users]



\*admin/admin

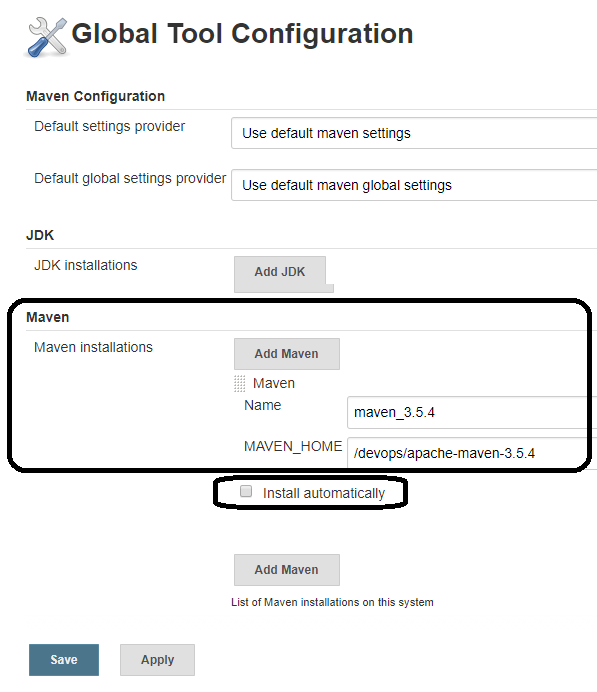
* 1. 安装插件

进入[Manage Jenkins->Manage Plugins]安装插件，需要安装的插件：

* [Maven Integration](https://wiki.jenkins.io/display/JENKINS/Maven+Project+Plugin)
* GitHub Integration
* [Deploy to container](http://wiki.jenkins-ci.org/display/JENKINS/Deploy+Plugin)
* build-name-setter

1. **设置maven**

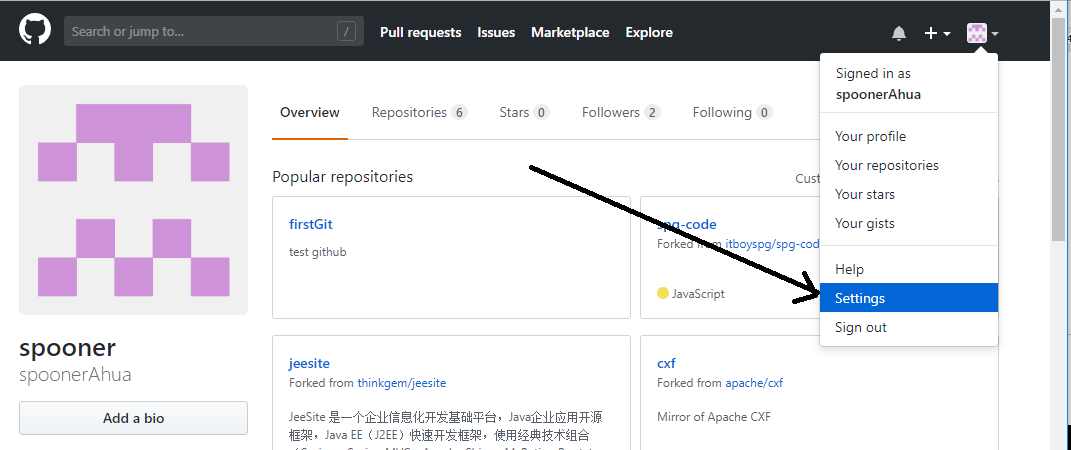
进入[Manage Jenkins->Global Tool Configuration]

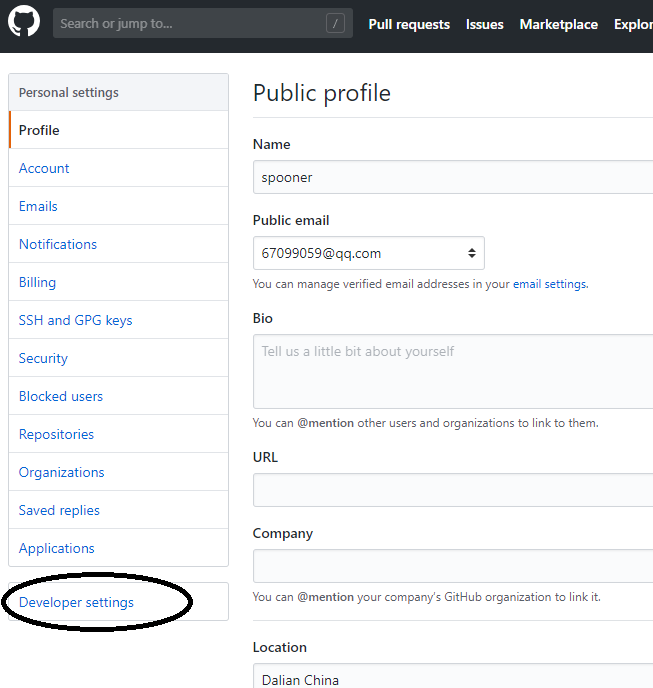


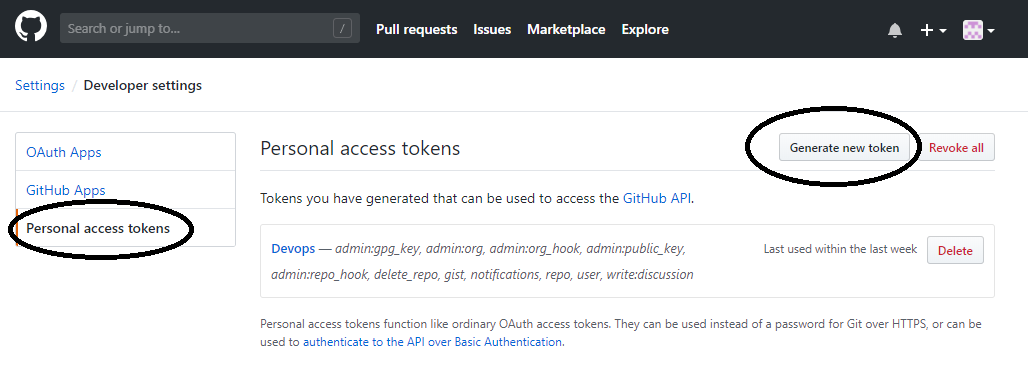
1. **设置git**

* <https://www.cnblogs.com/40406-jun/p/7003530.html>
* <https://www.cnblogs.com/Leo_wl/p/5125855.html>
* https://www.cnblogs.com/40406-jun/p/7003530.html
  1. 申请git token

Git URL: <https://github.com/spoonerAhua>

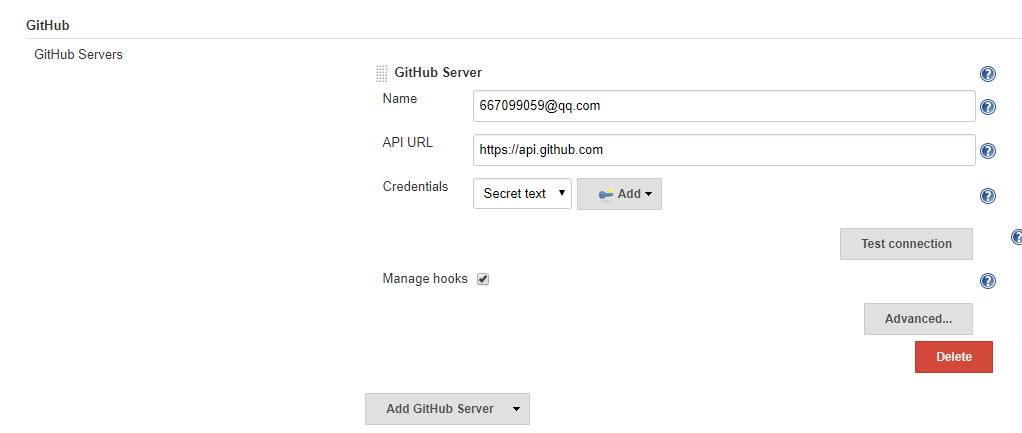


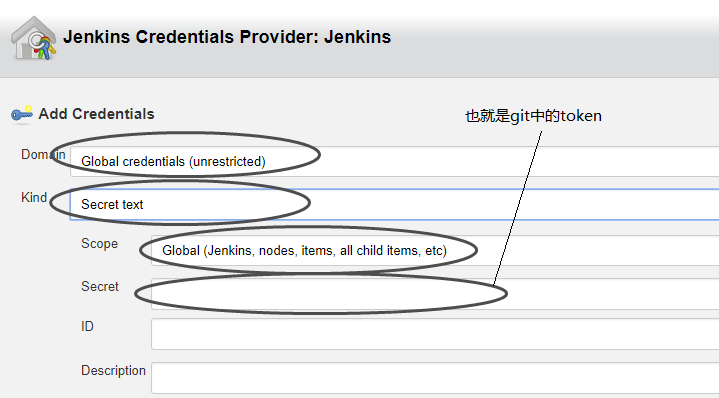




* 1. 在Jenkins中设置git

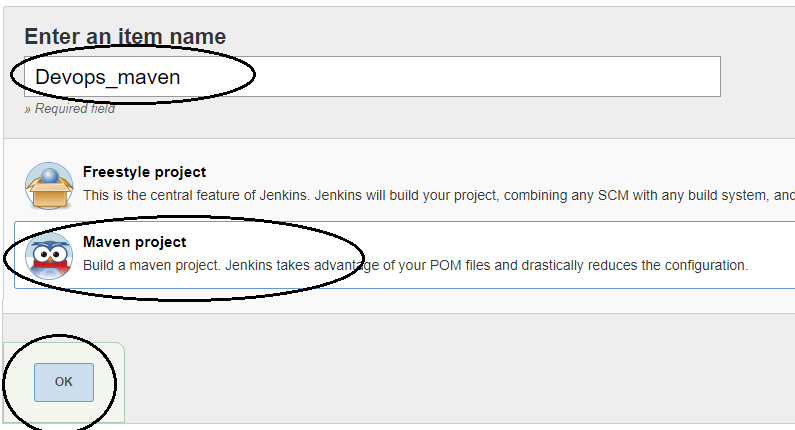
进入[Manage Jenkins->Configure System]



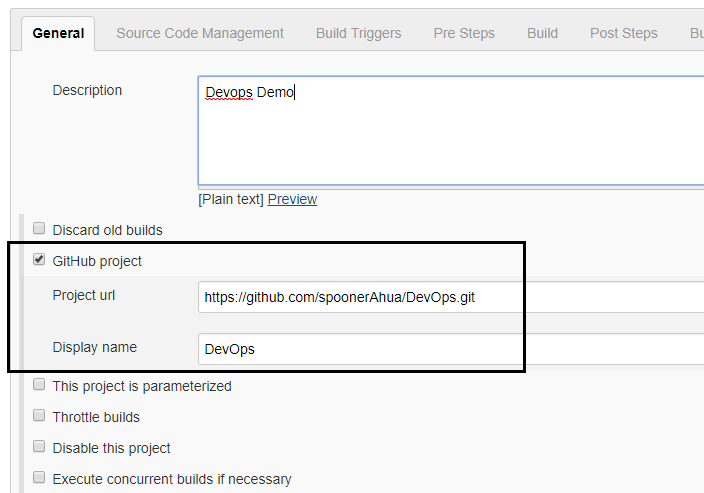


1. **建立Item**



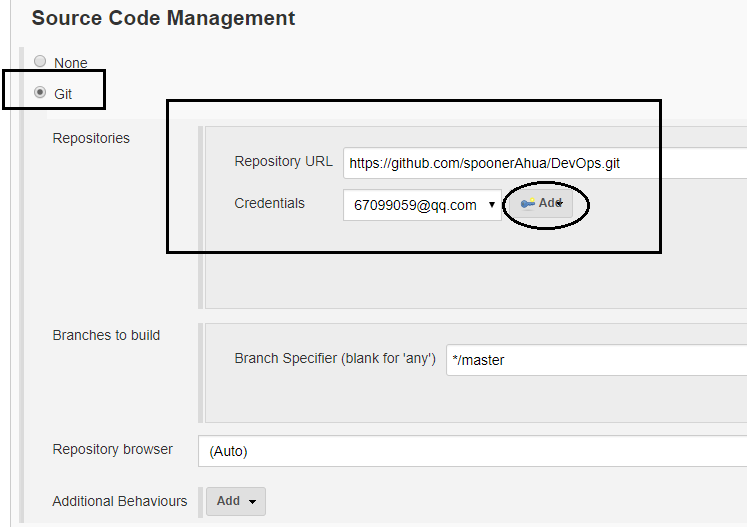


* 1. 设置为GitHub project



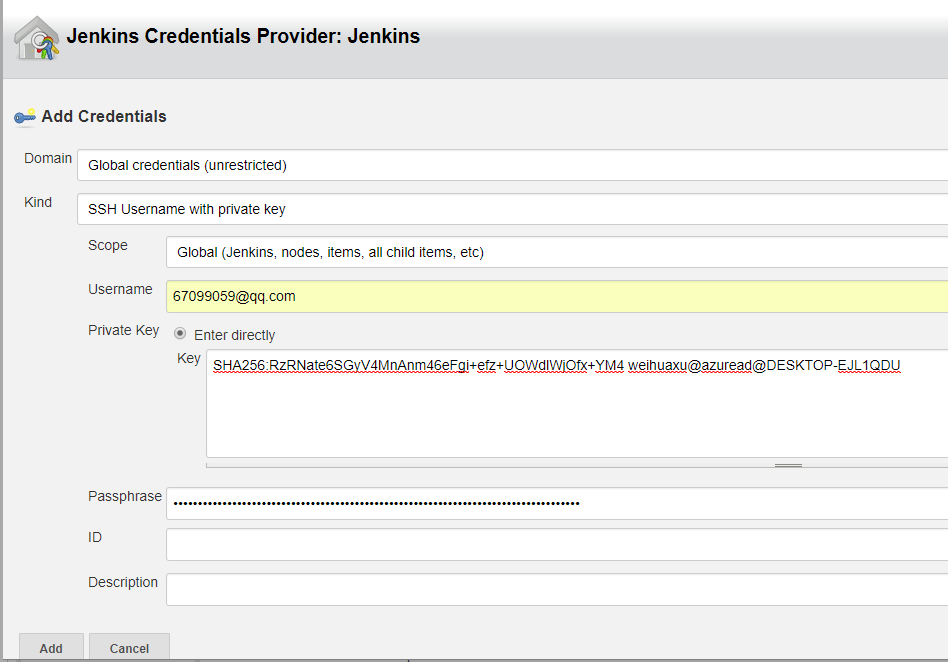
<https://github.com/spoonerAhua/DevOps.git>

* 1. 设置Source Code Management

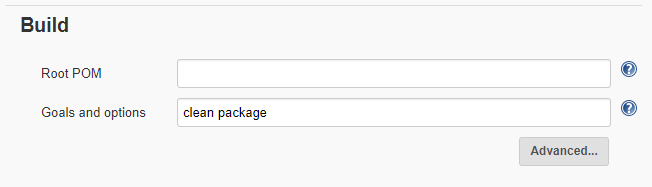


<https://github.com/spoonerAhua/DevOps.git>

\*/develop

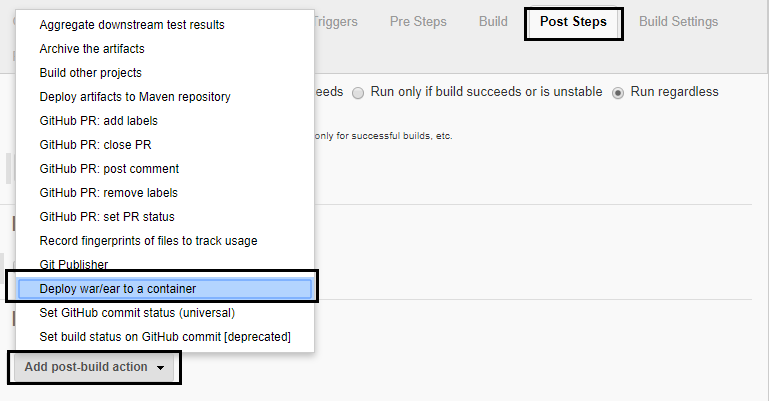


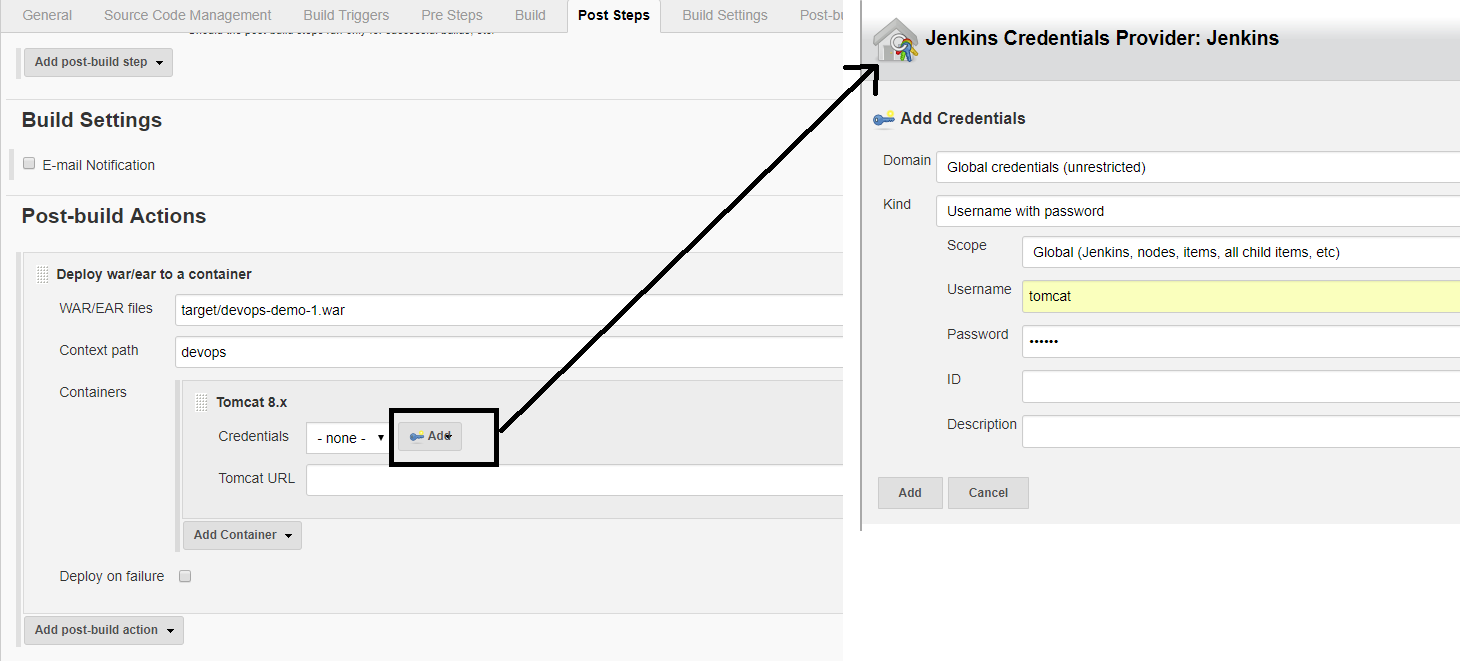
* 1. 设置Maven

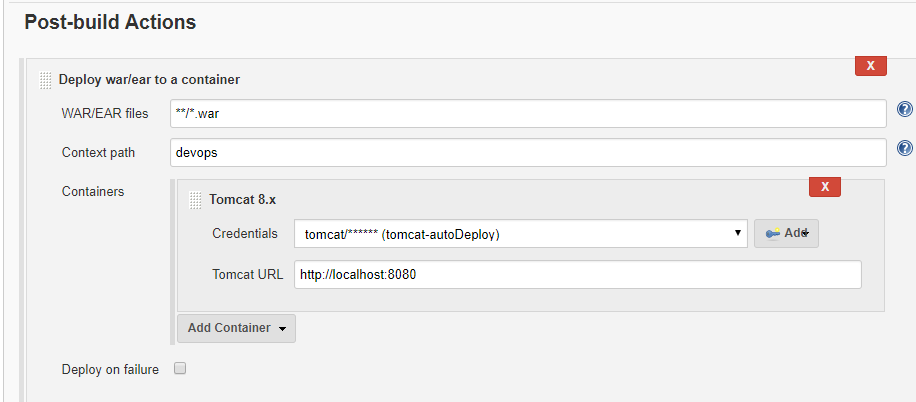


\*clean package

* 1. 自动发布
* <https://www.cnblogs.com/xuxiaojian/p/9079132.html>
* https://blog.csdn.net/jeamking/article/details/77826318
* <https://www.cnblogs.com/guanghe/p/8128029.html>
* <https://blog.csdn.net/cjh365047871/article/details/79163321>





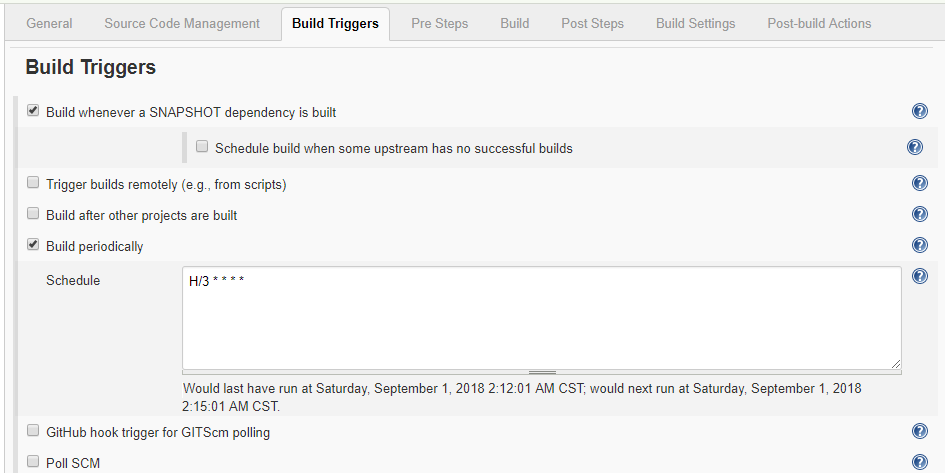


\* \*\*/\*.war

\* devops

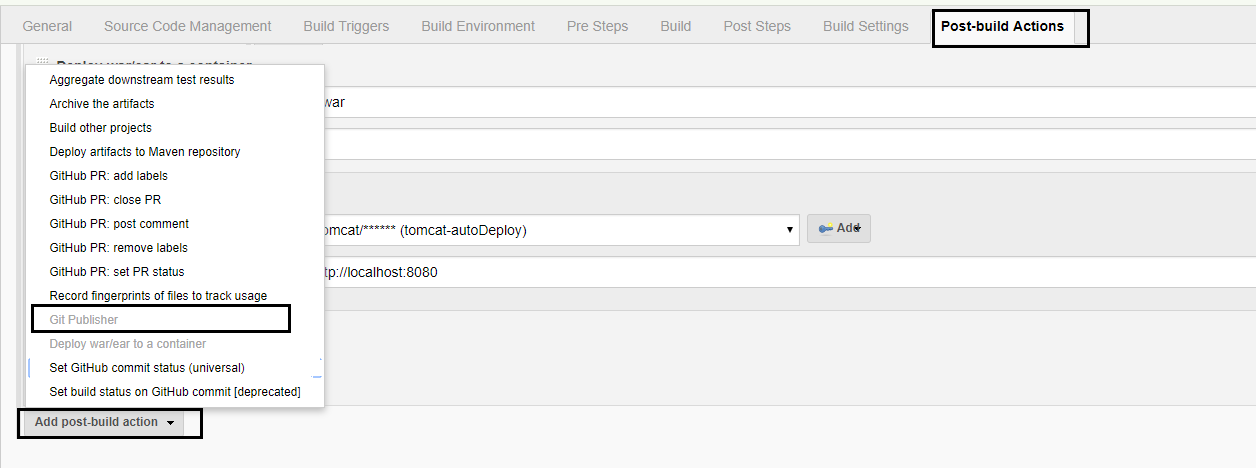
\*http://localhost:8080

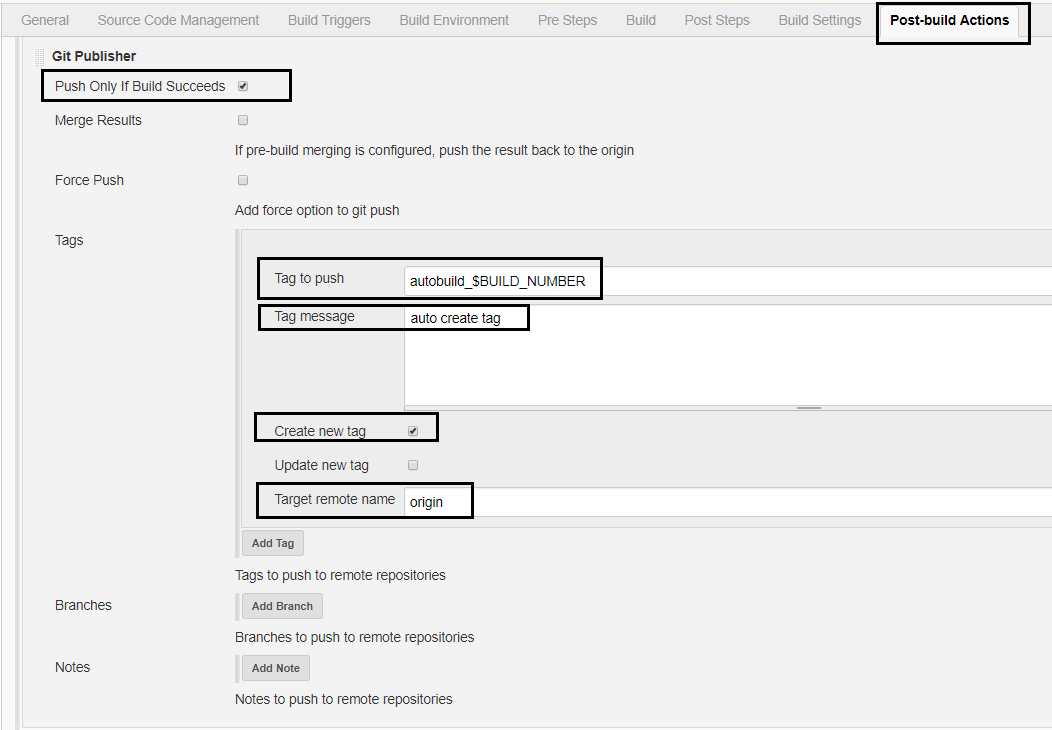
* 1. 定时构建
* <https://www.cnblogs.com/caoj/p/7815820.html>



* 1. 自动加Tag

<https://www.jianshu.com/p/20112cad6555>





* autoBuild\_$BUILD\_ID-$BUILD\_NUMBER
* origin
  1. 修改job id的显示
  2. 验证

<http://192.168.182.139:8080/devops/>