



链滴

使用 shell 脚本打包部署 springboot 项目

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来源网站: [链滴](#)

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背景：目前我们的非正式环境（包括TEST, PRE）都使用jenkins进行发布，正式环境还是手动打包发布。因此为了节省发布的时间，写了一套shell脚本进一键发布。计划后期（如果还有后期的话）将项目迁移到docker进行发布管理。

code:

```
#!/bin/bash
#author cl*

CODE_DIR="codedir"
PACKAGED_NAME="packagename"
GIT_PROJECT_NAME="projectname"
GIT_BRANCH_NAME="branchname"
APP_DEPLOY_PATH="deploypath"
PROFILE="prd"
PORT=9096

#如果任何语句的执行结果不是true则应该退出
set -e

#git初始化配置，配置后，无需手动输入用户名及密码即可从指定git管理代码
function gitinit(){
    echo "start gitinit..."
    cd ~/
    touch .git-credentials
    echo "http://username:password@xxx.xxx.xxx.xxx" > .git-credentials
    git config --global credential.helper store
    #执行此句后~/.gitconfig文件多了一项[credential] helper = store
    echo "finish gitinit..."
}

#pull and package gitcodeResource
function package(){
    echo "start pull git resource code..."
    rm -rf ./${CODE_DIR}
    git clone http://xxx.xxx.xxx.xxx/Card/${GIT_PROJECT_NAME}.git
    cd ./${CODE_DIR}
    git checkout ${GIT_BRANCH_NAME}
    echo "git checkout succeed ..."
    echo "starting packaging app ..."
    mvn clean package -Dmaven.test.skip=true
    echo "packaging app success ..."
}

#code deploy
function deploy(){
    cd $APP_DEPLOY_PATH
    shutdown
    echo "rename last version..."
    if [ -f $PACKAGED_NAME.jar ]
    then
```

```

    mv $PACKAGED_NAME.jar $PACKAGED_NAME'_`date +%Y%m%d%H%M%S`.jar
fi
echo "copy jar..."
cp $APP_DEPLOY_PATH/$CODE_DIR/target/$PACKAGED_NAME.jar $APP_DEPLOY_PATH
echo "start member@"$PORT
startup
}

#app shutdown
function shutdown(){
    PID=$(ps -ef | grep $PACKAGED_NAME.jar | grep -v grep | awk '{ print $2 }')
    if [ -z "$PID" ]
    then
        echo Application is already stopped
    else
        echo kill $PID
        kill -9 $PID
    fi
}

#app startup
function startup(){
    echo "startuing"$GIT_BRANCH_NAME"..."
    export JAVA_HOME=$JAVA_HOME
    nohup java -server -Xms512M -Xmx512M -Xss256k \
        -XX:+UseStringDeduplication \
        -XX:+HeapDumpOnOutOfMemoryError \
        -jar $PACKAGED_NAME.jar \
        --server.port=$PORT \
        --spring.profiles.active=$PROFILE \
        > /dev/null 2>&1 &
    echo "startuing success ..."
    echo "打开端口: "$PORT"..."
    firewall-cmd --zone=public --add-port=$PORT/tcp --permanent
}

#pring helpinfo
function help(){
    echo "Usage: ./onekey.sh [gitinit|package|deploy|startup|shutdown|help]"
    echo "gitinit:初始化git设置"
    echo "package:程序打包"
    echo "deploy:程序发布"
    echo "startup:程序启动"
    echo "shutdown:程序关闭"
    echo "help:打印帮助信息"
}

case "$1" in
'gitinit')
    gitinit
    ;;
'package')
    package

```

```
;;
'deploy')
  deploy
;;
'startup')
  startup
;;
'shutdown')
  shutdown
;;
'help')
  help
;;
*)

esac
exit 0
```

用法：一次运行 `gitinit,package,deploy`三个命令即可。当然也可以将三个命令组合成一个命令进行一键发布。

依赖环境:Maven3+,git,Java8。