# 天津大学房屋租售系统部署安装

## 1 系统要求

* Ubuntu18.04/Centos7 64 位操作系统
* Mysql 5.6.45
* Redis 3.2.100
* Node.js 6.9.5
* Nginx 1.8.0
* 必须有公网ip
* 建议CPU 2GHZ以上
* 建议内存2G以上
* 建议带宽2Mb以上
* 建议剩余硬盘空间20GB以上

## 2 项目文件打包上传到服务器上指定目录

将打包后的项目文件复制到指定目录下

## 3 前端部署

下载Node.js安装包

wget https://nodejs.org/dist/v6.9.5/node-v6.9.5-linux-x64.tar.xz

解压文件

tar xvf node-v6.9.5-linux-x64.tar.xz

在当前目录下创建软链接

ln -s /root/node-v6.9.5-linux-x64/bin/node /usr/local/bin/node  
ln -s /root/node-v6.9.5-linux-x64/bin/npm /usr/local/bin/npm

安装pm2

npm install pm2 --global

进入目录

cd /front/dist/

启动项目

pm2 start app.js

安装Nginx

wget http://nginx.org/download/nginx-1.8.0.tar.gz  
tar -zxvf nginx-1.8.0.tar.gz  
cd nginx-1.8.0  
./configure  
make && make install

配置Nginx

cd /etc/nginx/conf.d  
vim house.conf

配置

server {  
 listen 80;  
 server\_name www.example.com  
 location / {  
 proxy\_pass http://127.0.0.1:5050;  
 }  
 }

启动Nginx

nginx

## 4 后端部署

下载及安装Mysql 5.6.45

wget -c -t 0 https://dev.mysql.com/get/Downloads/MySQL-5.6/mysql-5.6.45-linux-glibc2.12-x86\_64.tar.gz  
tar -zxvf mysql-5.6.45-linux-glibc2.12-x86\_64.tar.gz   
mv mysql-5.6.45-linux-glibc2.12-x86\_64 /usr/local/mysql  
groupadd mysql  
useradd -r -g mysql -s /bin/false mysql  
cd /usr/local/mysql  
chown -R mysql:mysql ./  
./bin/mysqld --user=mysql --basedir=/usr/local/mysql --datadir=/usr/local/mysql/data --initialize  
./support-files/mysql.server start  
cp support-files/mysql.server /etc/init.d/mysqld  
service mysqld restart  
mysql -u root -p  
alter user 'root'@'localhost' identified by '123456';  
update user set user.Host='%' where user.User='root';  
flush privileges;

导入数据

cd /{directory}/backend  
mysql -u root -p  
create database houses\_system  
use houses\_system;  
source houses\_system.sql

下载及安装Redis 3.2.100

wget http://download.redis.io/releases/redis-3.1.100.tar.gz  
cp redis-3.0.0.rar.gz /usr/local  
tar -zxvf redis-3.0.0.tar.gz   
cd /usr/local/redis-3.0.0  
make PREFIX=/usr/local/redis install  
cd /usr/local/redis  
cp /usr/local/redis-3.0.0/redis.conf /usr/local/redis/bin  
cd /usr/local/redis/bin  
./redis-server

下载及安装java

wget https://repo.huaweicloud.com/java/jdk/8u201-b09/jdk-8u201-linux-x64.tar.gz  
tar -zxvf jdk-8u201-linux-x64.tar.gz

配置环境变量

vim /etc/profile

添加如下内容

export JAVA\_HOME=/usr/local/jdk1.8  
export PATH=$JAVA\_HOME/bin:$PATH  
export CLASSPATH=.:$JAVA\_HOME/lib/dt.jar:$JAVA\_HOME/lib/tools.jar

更新配置

source /etc/profile

运行项目

nohup java -jar hellword-0.0.1-SNAPSHOT.jar > hellword-0.0.1-SNAPSHOT.log 2>&1 &