https://blog.csdn.net/yjk13703623757/article/details/68944549

**Dockerfile文件内容**

# 版本信息

FROM centos

MAINTAINER locutus "locutus@foxmail.com"

# OS环境配置

RUN yum install -y wget

# 安装JDK

RUN mkdir /var/tmp/jdk

RUN wget --no-check-certificate --no-cookies --header "Cookie: oraclelicense=accept-securebackup-cookie" -P /var/tmp/jdk http://download.oracle.com/otn-pub/java/jdk/8u171-b11/512cd62ec5174c3487ac17c61aaa89e8/jdk-8u171-linux-x64.tar.gz

RUN tar xzf /var/tmp/jdk/jdk-8u111-linux-x64.tar.gz -C /var/tmp/jdk && rm -rf /var/tmp/jdk/jdk-8u111-linux-x64.tar.gz

# 安装tomcat

RUN mkdir /var/tmp/tomcat

RUN wget -P /var/tmp/tomcat http://archive.apache.org/dist/tomcat/tomcat-8/v8.5.8/bin/apache-tomcat-8.5.8.tar.gz

RUN tar xzf /var/tmp/tomcat/apache-tomcat-8.5.8.tar.gz -C /var/tmp/tomcat && rm -rf /var/tmp/tomcat/apache-tomcat-8.5.8.tar.gz

#设置环境变量

ENV JAVA\_HOME /var/tmp/jdk/jdk1.8.0\_111

ENV CATALINA\_HOME /var/tmp/tomcat/apache-tomcat-8.5.8

ENV PATH $PATH:$JAVA\_HOME/bin:$CATALINA\_HOME/bin

#打包项目并拷贝到tomcat webapps目录

RUN mkdir /var/tmp/webapp

ADD ./ /var/tmp/webapp

RUN cd /var/tmp/webapp && cp /var/tmp/webapp/war/sm\_new.war /var/tmp/tomcat/apache-tomcat-8.5.8/webapps/

#开启内部服务端口

EXPOSE 8080

#启动tomcat服务器

CMD ["./var/tmp/tomcat/apache-tomcat-8.5.8/bin/catalina.sh","run"] && tail -f /var/tmp/tomcat/apache-tomcat-8.5.8/logs/catalina.out

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**使用Dockerfile构建镜像**

# docker build -t tomcat .

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. 表示Dockerfile在当前文件夹下，也可使用绝对路径（/path/to/Dockerfile）来表示

**运行容器**

# docker run -it -p 12345:8080 --name=tomcat-test tomcat

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然后在命令行键入 Ctrl + p ， Ctrl + q，使容器在后台运行