一.通过**Docker**搭建三个**Tomcat**容器

```
#1.创建容器项目部署目录挂载位置
mkdir -p  /home/tomcat/webapps


#2.创建并运行Tomcat容器
docker run --name my-tomcat -d -p 8080:8080 \
-v /home/tomcat/webapps:/usr/local/tomcat/webapps/ \
tomcat:9


#3.将事先准备号的静态网页部署到Tomcat下访问测试
```

二.通过**Docker**搭建**Nginx**容器

```
#1.创建Nginx容器配置文件挂载的宿主机磁盘目录
mkdir -p  /home/nginx/conf


#2.创建并运行Nginx容器
docker run --name my-nginx -d \
  -p 80:80 \
   nginx:latest


#3.将nginx内部的配置文件复制到物理机挂载目录中
docker cp my-nginx:/etc/nginx/nginx.conf /home/nginx/conf/nginx.conf
docker cp my-nginx:/etc/nginx/conf.d  /home/nginx/conf/
docker cp my-nginx:/usr/share/nginx/html /home/nginx/html


#4.删除nginx容器
docker stop  my-nginx
docker rm -f  my-nginx


#5.重新创建并运行Nginx容器
docker run --name my-nginx -d \
  -p 80:80 \
  -v /home/nginx/conf/nginx.conf:/etc/nginx/nginx.conf \
  -v /home/nginx/conf/conf.d:/etc/nginx/conf.d \
  -v /home/nginx/html:/usr/share/nginx/html \
  nginx:latest
```

三.配置nginx代理访问Tomcat集群

```
#1.配置反向代理 方式1  default.conf
upstream bogeServer {
        #server代表服务器地址
        server 192.168.141.131:8080;
        server 192.168.141.132:8080;
        server 192.168.141.133:8080;
}
location / {
        root    /usr/share/nginx/html;
        index   index.html index.htm;
        proxy_pass http://bogeServer;
}




#2.配置反向代理 方式2
upstream bogeServer {
        #server代表服务器地址
        server 192.168.141.131:8080 weight=1;
        server 192.168.141.132:8080 weight=2;
        server 192.168.141.133:8080 weight=3;
}
location / {
        root    /usr/share/nginx/html;
        index   index.html index.htm;
        proxy_pass http://bogeServer;
}




#3.配置反向代理 方式3
upstream bogeServer {
        ip_hash;
        #server代表服务器地址
        server 192.168.141.131:8080;
        server 192.168.141.132:8080;
        server 192.168.141.133:8080;
}
location / {
        root    /usr/share/nginx/html;
        index   index.html index.htm;
        proxy_pass http://bogeServer;
}



修改完重启nginx
```