

Docker 应用部署-Nginx

1. 搜索nginx镜像

```
1 docker search nginx
```

2. 拉取nginx镜像

```
1 docker pull nginx
```

3. 创建容器，设置端口映射、目录映射

```
1 # 在/root目录下创建nginx目录用于存储nginx数据信息
2 mkdir ~/nginx
3 cd ~/nginx
4 mkdir conf logs conf/conf.d
```

在~/nginx/conf/下创建nginx.conf文件,粘贴以下内容, vi conf/nginx.conf

```
1 user nginx;
2 worker_processes 1;
3 error_log /var/log/nginx/error.log warn;
4 pid /var/run/nginx.pid;
5 events {
6     worker_connections 1024;
7 }
8 http {
9     include /etc/nginx/mime.types;
10    default_type application/octet-stream;
11    log_format main '$remote_addr - $remote_user [$time_local] "$request" '
12                   '$status $body_bytes_sent "$http_referer" '
13                   '"$http_user_agent" "$http_x_forwarded_for"';
14    access_log /var/log/nginx/access.log main;
15    sendfile on;
16    #tcp_nopush on;
17    keepalive_timeout 65;
18    #gzip on;
19    include /etc/nginx/conf.d/*.conf;
20 }
```

在~/nginx/conf/conf.d下创建80.conf文件,粘贴以下内容, vi conf/conf.d/80.conf

```
1 server {
2     listen 80;
3     root /usr/share/nginx/html;
4     index index.php index.html index.htm;
5     location / {}
6     error_page 500 502 503 504 /50x.html;
7 }
```

创建容器并启动

```
1 docker run -id --name nginx \  
2 -p 80:80 \  
3 -v $PWD/conf/nginx.conf:/etc/nginx/nginx.conf \  
4 -v $PWD/conf/conf.d:/etc/nginx/conf.d \  
5 -v $PWD/logs:/var/log/nginx \  
6 -v $PWD/html:/usr/share/nginx/html \  
7 nginx
```

参数说明：

- **-p 80:80**：将容器的 80端口映射到宿主机的 80 端口。
- **-v \$PWD/conf/nginx.conf:/etc/nginx/nginx.conf**：将主机当前目录下的 /conf/nginx.conf 挂载到容器的 /etc/nginx/nginx.conf。配置目录
- **-v \$PWD/logs:/var/log/nginx**：将主机当前目录下的 logs 目录挂载到容器的/var/log/nginx。日志目录

4. 开放80访问端口

```
1 #查看是否已经开放80端口  
2 firewall-cmd --list-port  
3 #没有开放使用下面命令开放  
4 firewall-cmd --add-port 80/tcp --permanent  
5 #重新加载防火墙  
6 firewall-cmd --reload
```

5. 使用外部机器访问nginx