

1.什么是nginx

Nginx是一个高性能的HTTP和反向代理服务器，同时还是IMAP/POP3/SMTP代理服务器，该程序由俄罗斯Rambler.ru 站点开发，Nginx因为性能稳定、低系统资源消耗而闻名，近几年Nginx在国内已经成炙热化状态，比如像腾讯、网易、51CTO、迅雷、当当网、51、人人网等诸多大型网站都已经使用Nginx来做Web服务器，所以我们要学会运用Nginx还是非常有必要的

如何安装nginx

2.nginx 安装

关闭Apache

```
service httpd stop
```

```
chkconfig httpd off
```

```
tar xzf nginx-1.11.2.tar.gz
```

```
cd nginx-1.11.2
```

```
yum -y install gcc gcc-c++ zlib-devel pcre-devel openssl-devel
```

```
./configure --prefix=/usr/local/nginx
```

```
make
```

```
make install
```

启动/usr/local/nginx/sbin/nginx

关闭killall nginx

nginx的启动 /usr/local/nginx/sbin/nginx

重启 /usr/local/nginx/sbin/nginx -s reload

或 killall -HUP nginx

测试 /usr/local/nginx/sbin/nginx -t

方便开启

将nginx假如环境变量

```
echo $PATH
```

```
ln -s /usr/local/nginx/sbin/nginx /usr/local/sbin/nginx
```

启动

nginx

关闭防火墙：service iptables stop

```
setenforce 0
```

浏览器访问测试可以看到下面的测试页面说明已经安装成功

Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.

Thank you for using nginx.

配置文件：

/usr/local/nginx/conf/nginx.conf

定义开启进程数量，一般都是与服务器的CPU核心保持一致，如果是单核的可以设置为1或者2：worker_processes 1;

定义最大连接数：worker_connections 1024;

定义监听端口：listen 80;

定义网站域名：server_name localhost;

定义网站根目录：root html;

定义网站首页：index index.html index.htm

3.虚拟主机

基于端口的虚拟主机

主配置文件/usr/local/nginx/conf/nginx.conf

```
server {
    listen 80;
    root /www/wg;
}

.....

server {
    listen 8080;
    root /www/rg;
}
```

基于IP的虚拟主机

主配置文件/usr/local/nginx/conf/nginx.conf

```
server {
    listen 192.168.1.100:80;
    root /www/wg;
    index index.html;
}

.....

server {
    listen 192.168.1.110:80;
    root /www/rg;
    index index.html;
}
```

基于域名的虚拟主机

主配置文件/usr/local/nginx/conf/nginx.conf

```
server {
    listen 80;
    server_name www.wg.com;
    root /wg;
}

server {
    listen 80;
    server_name www.bw.com;
    root /bw;
}
```

访问认证配置

基于域名的虚拟主机且做访问控制

主配置文件/usr/local/nginx/conf/nginx.conf

```
server {
    listen 80;
    server_name www.wg.com;
    location / {
        root /www/wg;
        index index.html index.htm;
        auth_basic "***";访问控制
        auth_basic_user_file /usr/local/nginx/passwd.db;
    }
}

.....

server {
    listen 80;
```

```
server_name www.rg.com;
```

```
location / {  
root /www/rg;  
index index.html index.htm;  
}  
}
```

生成认证文件:

```
htpasswd -c /usr/local/nginx/conf/htpasswd tom
```