

LNMP 环境快速搭建-Nginx 服务配置

LNMP 环境快速搭建

准备工作： 恢复初始化安装 设置 IP 关闭防火墙

配置光盘 yum 源

安装步骤： 1. 解压缩

```
tar -zxvf lnmp1.2-full.tar.gz
```

```
ls
```

2. 进入解压目录

```
cd lnmp1.2-full
```

3. 安装

...

```
./install.sh lnmp
```

...

环境目录和文件：

...

Nginx 目录： /usr/local/nginx/

MySQL 目录： /usr/local/mysql/

MySQL 数据库所在目录： /usr/local/mysql/var/

PHP 目录： /usr/local/php/

PHPMyAdmin 目录： /home/wwwroot/default/phpmyadmin/

默认网站目录： /home/wwwroot/default/

Nginx 日志目录： /home/wwwlogs/

Nginx 主配置文件： /usr/local/nginx/conf/nginx.conf

MySQL 配置文件： /etc/my.cnf

PHP 配置文件： /usr/local/php/etc/php.ini

...

管理命令

```
lnmp start | restart | stop | status
```

```
lnmp nginx start | stop | restart | status
```

配置文件

```
ulimit -a
```

```
ulimit -n 51200
```

```
...
```

检查 nginx 配置文件语句错误

```
/usr/local/nginx/sbin/nginx -t
```

平滑重启 nginx 进程

```
pkill -HUP nginx
```

```
...
```

Nginx 实验配置

实验 1 虚拟主机

1) 域名解析 文件解析

```
C:\Windows\System32\drivers\etc\hosts
```

```
...
```

```
192.168.2.251 www.sina.com
```

```
192.168.2.251 www.sohu.com
```

```
...
```

2) 网站目录规划

```
mkdir /home/wwwroot/sina/
```

```
mkdir /home/wwwroot/sohu/
```

```
vim /home/wwwroot/sina/index.html
```

```
vim /home/wwwroot/sohu/index.html
```

3) 修改配置文件

```
vim /usr/local/nginx/conf/nginx.conf
```

```
66         listen 80;
```

4) 建立虚拟主机文件

```
vim /usr/local/nginx/conf/vhost/v.conf
```

```
...
```

```
1 server {
2     listen 80;
3     server_name www.sina.com;
4     index index.html index.htm index.php;
```

```

5         root /home/wwwroot/sina/;
6
7         include enable-php.conf;
8     }
9     server {
10         listen 80;
11         server_name www.sohu.com;
12         index index.html index.htm index.php;
13         root /home/wwwroot/sohu/;
14
15         include enable-php.conf;
16     }
...

```

5) 重启服务 测试

```
kill -HUP nginx
```

测试 www.sina.com www.sohu.com

实验2 列表页显示

加入 autoindex on;

实验3 状态监控模块添加

```
vim /usr/local/nginx/conf/vhost/v.conf
```

```

...

9     server {
10         listen 80;
11         server_name www.sohu.com;
12         index index.html index.htm index.php;
13         root /home/wwwroot/sohu/;
14         location /nginx_status{
15             stub_status on;
16             access_log off;
17         }
18         include enable-php.conf;
19     }
...

```

测试 www.sohu.com/nginx_status

实验4 rewrite 重写/重定向

域名跳转 www.sina.com -> www.sohu.com

```
vim /usr/local/nginx/conf/vhost/v.conf
```

```

...
server
{
    listen      80;
    server_name www.sina.com;
    index index.html index.htm index.php;
    root /home/wwwroot/sina;

    if ($http_host = www.sina.com) {
        rewrite  (.*?) http://www.sohu.com permanent;
    }
}
...

```

重启服务 测试

```

pkill -HUP nginx

```

测试 www.sina.com -> www.sohu.com

网页文件跳转

1) 修改配置文件

```

vim /usr/local/nginx/conf/vhost/v.conf
...
1 server {
2     listen 80;
3     server_name www.sina.com;
4     index index.html index.htm index.php;
5     root /home/wwwroot/sina/;
6     rewrite index(\d+).html /index.php?id=$1 last;
7     include enable-php.conf;
8 }
...

```

2) 建立 php 文件

```

vim /home/wwwroot/sina/index.php
...
1 <?php
2     echo "hi Nginx rewrite";
3 ?>
...

```

3) 重启服务 测试

```
killall -HUP nginx
```

```
测试 www.sina.com/index5.html
```

实验5 代理负载均衡 (反向代理)

准备工作: S 192.168.2.251 Nginx 负载均衡

 S1 192.168.2.102 Nginx 网站解析

 S2 192.168.2.191 Nginx 网站解析

实验步骤:

1) 修改 S 192.168.2.251 配置文件

```
vim /usr/local/nginx/conf/nginx.conf
```

```
...
```

```
63 upstream myweb1 {
64     server 192.168.2.102:80;
65     server 192.168.2.191:80;
66 }
67 server {
68     listen 80;
69     server_name www.sohu.com;
70     location / {
71         proxy_pass http://myweb1;
72         proxy_next_upstream http_500 http_502 http_503 error timeout
invalid_header;
73     proxy_set_header Host $host;
74     proxy_set_header X-Forwarded-For $remote_addr;
75 }
76 }
...
```

2) 修改 S1 192.168.2.102 关闭虚拟主机

```
cd /home/wwwroot/default/
```

```
vim index.html
```

```
S1111111111111
```

3) 修改 S1 192.168.2.191 关闭虚拟主机

```
cd /home/wwwroot/default/
```

`vim index.html`

S2222222222

4) 重启 S 服务 测试

`pkill -HUP nginx`

测试 `www.sohu.com` 刷新 S1 S2

作业

实验 至少三遍!

复习!