

Apache 服务配置

一. Apache 简介

HTTP 超文本传输协议

HTML 超文本标识语言

统一资源定位符 URL `http://www.sina.com.cn:80/admin/index.html`

二. 服务安装

1. LAMP 源码包安装（编译安装）

主要要求 自定义

2. 二进制包安装 yum

三. 相关文件

源码包

配置文件 `/usr/local/apache2/etc/httpd.conf` 主配置文件

`/usr/local/apache2/etc/extra/httpd-*.conf` 子配置文件

默认网站根目录 `/usr/local/apache2/htdocs/`

日志保存位置 `/usr/local/apache2/logs/`

`tail -f access_log` 动态查看文件内容

日志切割与轮替

`vim /etc/logrotate.conf`

...

```
/usr/local/apache2/logs/access_log {  
    daily  
    rotate 30  
}
```

```
/usr/local/apache2/logs/error_log {  
    daily  
    rotate 30  
}  
...
```

`logrotate -f /etc/logrotate.conf`

```
cd /usr/local/apache2/logs/
```

```
ls
```

四. 配置文件

命令别名 alias

```
vim /root/.bashrc
```

```
alias sto='/usr/local/apache2/bin/apachectl stop'
alias sta='/usr/local/apache2/bin/apachectl start'
```

```
source /root/.bashrc
```

```
sto
```

```
sta
```

实验 1 目录别名 扩容 增加服务目录

1) 建立扩容目录

```
mkdir /usr/local/apache2/www/
```

2) 修改主配置文件

```
vim /usr/local/apache2/etc/httpd.conf
```

```
453 Include etc/extra/httpd-autoindex.conf
```

3) 修改子配置文件

```
vim /usr/local/apache2/etc/extra/httpd-autoindex.conf
```

```
...
```

```
29 Alias /www/ "/usr/local/apache2/www/"
30
31 <Directory "/usr/local/apache2/www/">
32     Options Indexes
33     AllowOverride None
34     Require all granted
35 </Directory>
...
```

4) 重启服务 测试

```
sto
```

```
sta
```

测试 192.168.2.251/www/

实验 2 虚拟主机

步骤：1) 域名解析 文件解析

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

192. 168. 2. 251 www.sina.com

193. 168. 2. 251 www.sohu.com

2) 网站目录规划

```
mkdir -p /share/sina/
```

```
mkdir /share/sohu/
```

3) 修改主配置文件

```
vim /usr/local/apache2/etc/httpd.conf
```

```
465 Include etc//extra/httpd-vhosts.conf
```

4) 修改子配置文件

```
vim /usr/local/apache2/etc/extra/httpd-vhosts.conf
```

```
...
```

```
23 <Directory "/share/sina/">
24     Options Indexes
25     AllowOverride None
26     Require all granted
27 </Directory>
28
29 <Directory "/share/sohu/">
30     Options Indexes
31     AllowOverride None
32     Require all granted
33 </Directory>
35 <VirtualHost 192.168.2.251>
36     ServerAdmin webmaster@sina.com
37     DocumentRoot "/share/sina/"
38     ServerName www.sina.com
39     ErrorLog "logs/sina-error_log"
40     CustomLog "logs/sina-access_log" common
41 </VirtualHost>
42
43 <VirtualHost 192.168.2.251>
44     ServerAdmin webmaster@sohu.com
45     DocumentRoot "/share/sohu/"
46     ServerName www.sohu.com
47     ErrorLog "logs/sohu-error_log"
48     CustomLog "logs/sohu-access_log" common
```

```
49 </VirtualHost>
```

```
...
```

5) 重启服务 测试

```
sto
```

```
sta
```

```
测试    www.sina.com    www.sohu.com
```

实验3 rewrite 重写/重定向

```
www.sina.com -> www.sohu.com
```

1) 修改主配置文件

```
vim /usr/local/apache2/etc/httpd.conf
```

```
147 LoadModule rewrite_module modules/mod_rewrite.so
```

2) 修改子配置文件

```
vim /usr/local/apache2/etc/extra/httpd-vhosts.conf
```

```
...
```

```
23 <Directory "/share/sina/">
24     Options Indexes FollowSymLinks
25     AllowOverride All
26     Require all granted
27 </Directory>
```

```
...
```

3) 建立权限文件.htaccess

```
vim /share/sina/.htaccess
```

```
...
```

```
1 RewriteEngine on
2 RewriteCond %{HTTP_HOST} www.sina.com
3 RewriteRule .* http://www.sohu.com
...
```

4) 重启服务 测试

```
sto
```

```
sta
```

```
测试    www.sina.com    -> www.sohu.com
```

网页文件跳转

1) 修改权限文件

```
vim /share/sina/.htaccess
```

```
...  
1 RewriteEngine on  
2 RewriteRule index(\d+).html index.php?id=$1  
...
```

2) 建立 index.php 文件

```
vim /share/sina/index.php
```

```
...  
1 <?php  
2     echo "hello rewrite!";  
3 ?>  
...
```

3) 重启服务测试

```
sto
```

```
sta
```

```
测试  www.sina.com/index5.html
```

作业

实验至少三遍！

云服务 ： 阿里云 aws 华为云 腾讯云 百度云