

```
[root@master html]# cd /etc/httpd
[root@master httpd]# cat webpass
user4:$apr1$BK55/E8p$gJPVhFWmNOZXB0nRMQWd0.
user1:$apr1$uGEHKTrz$NHOBodcDF1zcSqIOUMMIo0
user2:$apr1$Na1.guUO$0qhW6u jDPf7 jrXBBRzHY/
user3:$apr1$EIi0en jN$CCorHt6o1bwFGHr9A1/Ud1
```

HTTPD : webpass

file

```
[root@master conf]# cd /var/www/html
[root@master html]# ls
error.html pclub website1 website2
[root@master html]# cat error.html
<html>
<head>
    <title>Web Gawd can stop you anywhere</title>
</head>
<body>
<p>
You should be an Authenticated user. Contact web gawd!
</p>
</body>
</html>
[root@master html]#
```

Root

directory and the forbidden file (error.html)

```
[root@master conf]# cat /etc/sysconfig/network-scripts/ifcfg-ens33
TYPE="Ethernet"
PROXY_METHOD="none"
BROWSER_ONLY="no"
BOOTPROTO="static"
DEFROUTE="yes"
IPV4_FAILURE_FATAL="no"
IPV6INIT="yes"
IPV6_AUTOCONF="yes"
IPV6_DEFROUTE="yes"
IPV6_FAILURE_FATAL="no"
IPV6_ADDR_GEN_MODE="stable-privacy"
NAME="ens33"
DEVICE="ens33"
ONBOOT="yes"
#IPADDR=172.24.0.1
#NETMASK=255.255.0.0
IPADDR1=172.24.0.10
IPADDR2=172.24.0.3
IPADDR3=172.24.0.2
PREFIX0=16
```

Network interface file of server

```
root@master conf]# cat /etc/hosts
127.0.0.1    localhost localhost.localdomain localhost4 localhost4.localdomain4
::1         localhost localhost.localdomain localhost6 localhost6.localdomain6
172.24.0.10 www.lampstack.com www
172.24.0.3   www.website1.com www
172.24.0.2   www.website2.com www
```

Hosts file of server

```
<Location /var/www/html/error.html>
    Allow from all
    Satisfy Any
</Location>

<VirtualHost 172.24.0.3>
    DocumentRoot /var/www/html/website1
    ServerName 172.24.0.3
</VirtualHost>
<Directory /var/www/html/website1>
    <RequireAll>
        Require not ip 172.24.0.12
        Require ip 172.24.0.11
    </RequireAll>
    AuthType Basic
    AuthName "Restricted Website1"
    AuthUserFile "/etc/httpd/webpass"
    Require user user1 user3
    ErrorDocument 403 "/var/www/html/error.html"
    ErrorDocument 401 "/var/www/html/error.html"
    ErrorDocument 404 "/var/www/html/error.html"
    ErrorDocument 402 "/var/www/html/error.html"
    ErrorDocument 500 "/var/www/html/error.html"
</Directory>

<VirtualHost 172.24.0.2>
    DocumentRoot /var/www/html/website2
    ServerName 172.24.0.2
</VirtualHost>
<Directory /var/www/html/website2>
    AllowOverride All
    Require all granted
</Directory>
```

httpd.conf file that sets virtual hosts and directory perms

```
##
# DirectoryIndex: sets the file that Apache will serve if a directory
# is requested.
##
<IfModule dir_module>
    DirectoryIndex website1.html index.html
</IfModule>
```

For

allowing index.html and website1.html

```
##
# Listen: Allows you to bind Apache to specific IP addresses and/or
# ports, instead of the default. See also the <VirtualHost>
# directive.
##
# Change this to Listen on specific IP addresses as shown below to
# prevent Apache from glomming onto all bound IP addresses.
##
#Listen 12.34.56.78:80
Listen 172.24.0.3:15
Listen 172.24.0.2:80
```

Changing ports for individual IP Addresses

```
[root@c10 etc]# cat hosts
127.0.0.1    localhost localhost.localdomain localhost4 localhost4.localdomain4
::1         localhost localhost.localdomain localhost6 localhost6.localdomain6
172.24.0.2   www.website2.com www
172.24.0.3   www.website1.com www
[root@c10 etc]#
```

Hosts file of client c10

```
[root@c10 etc]# cat sysconfig/network-scripts/ifcfg-ens33
TYPE="Ethernet"
PROXY_METHOD="none"
BROWSER_ONLY="no"
BOOTPROTO="static"
DEFROUTE="yes"
IPV4_FAILURE_FATAL="no"
IPV6INIT="yes"
IPV6_AUTOCONF="yes"
IPV6_DEFROUTE="yes"
IPV6_FAILURE_FATAL="no"
IPV6_ADDR_GEN_MODE="stable-privacy"
NAME="ens33"
DEVICE="ens33"
ONBOOT="yes"
IPADDR1=172.24.0.2
IPADDR2=172.24.0.3
#NETMASK=255.255.0.0
PREFIX0=16
[root@c10 etc]#
```

Network scripts file of client c10