

DINAKAR S
CH.EN.U4CYS21013

**COGNIZNCE
CLUB**

TASK 7

LEVEL 0

```
bandit0@bandit:~$ ssh bandit0@bandit.labs.overthewire.org -p 2220
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames

bandit0@bandit.labs.overthewire.org's password:
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux

      _.-''-.   , / .-'.' , / .-'.' , / .-'.' 
     / .-'.' ; .-'.' ; .-'.' ; .-'.' ; .-'.' ;
    ; .-'.' ; .-'.' ; .-'.' ; .-'.' ; .-'.' ;
   ; .-'.' ; .-'.' ; .-'.' ; .-'.' ; .-'.' ;
  ; .-'.' ; .-'.' ; .-'.' ; .-'.' ; .-'.' ;
 \ .-'.' ; .-'.' ; .-'.' ; .-'.' ; .-'.' ;
 ; .-'.' ; .-'.' ; .-'.' ; .-'.' ; .-'.' ;
www. .-'.' ver .-'.' he .-'.' ire.org

Welcome to OverTheWire!

If you find any problems, please report them to Steven or morla on
irc.overthewire.org.

--[ Playing the games ]--

For your convenience we have installed a few usefull tools which you can find
in the following locations:

* gef (https://github.com/hugsy/gef) in /usr/local/gef/
* pwndbg (https://github.com/pwndbg/pwndbg) in /usr/local/pwndbg/
* peda (https://github.com/longld/peda.git) in /usr/local/peda/
* gdbinit (https://github.com/gdbinit/Gdbinit) in /usr/local/gdbinit/
* pwntools (https://github.com/Gallopsled/pwntools)
* radare2 (http://www.radare.org/)
* checksec.sh (http://www.trapkit.de/tools/checksec.html) in /usr/local/bin/checksec.sh

--[ More information ]--

For more information regarding individual wargames, visit
http://www.overthewire.org/wargames/

For support, questions or comments, contact us through IRC on
irc.overthewire.org #wargames.

Enjoy your stay!

bandit0@bandit:~$ ls
readme
bandit0@bandit:~$ cat readme
boJ9jbbUNNfktd7800psq0ltutMc3MY1
bandit0@bandit:~$ ls -a
. . . . bash_logout .bashrc .profile readme
bandit0@bandit:~$
```

LEVEL 1

LEVEL 2

LEVEL 3

```
* gef (https://github.com/hugsy/gef) in /usr/local/gef/
* pwndbg (https://github.com/pwndbg/pwndbg) in /usr/local/pwndbg/
* peda (https://github.com/longld/peda.git) in /usr/local/peda/
* gdbinit (https://github.com/gdbinit/Gdbinit) in /usr/local/gdbinit/
* pwnools (https://github.com/Gallopsled/pwnools)
* radare2 (http://www.radare.org/)
* checksec.sh (http://www.trapkit.de/tools/checksec.html) in /usr/local/bin/checksec.sh

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Enjoy your stay!

bandit3@bandit:~$ ls -a
. .. .bash_logout .bashrc inhere .profile
bandit3@bandit:~$ tree
.bash: tree: command not found
bandit3@bandit:~$ cd inhere
bandit3@bandit:~/inhere$ ls -a
. .. .hidden
bandit3@bandit:~/inhere$ cat .hidden
pIwrPrtPN36QITSp3EQaw936yaFoFgAB
bandit3@bandit:~/inhere$
```

LEVEL 4

```
bandit4@bandit:~$ ls -a
. .. .bash_logout .bashrc inhere .profile
bandit4@bandit:~$ cd inhere
bandit4@bandit:~/inhere$ ls -a
. -file00 -file02 -file04 -file06 -file08
.. -file01 -file03 -file05 -file07 -file09
bandit4@bandit:~/inhere$ file *
file: Cannot open 'ile00' (No such file or directory).
file: Cannot open 'ile01' (No such file or directory).
file: Cannot open 'ile02' (No such file or directory).
file: Cannot open 'ile03' (No such file or directory).
file: Cannot open 'ile04' (No such file or directory).
file: Cannot open 'ile05' (No such file or directory).
file: Cannot open 'ile06' (No such file or directory).
file: Cannot open 'ile07' (No such file or directory).
file: Cannot open 'ile08' (No such file or directory).
file: Cannot open 'ile09' (No such file or directory).
bandit4@bandit:~/inhere$ cd ..
bandit4@bandit:~$ file ./inhere/*
./inhere/-file00: data
./inhere/-file01: data
./inhere/-file02: data
./inhere/-file03: data
./inhere/-file04: data
./inhere/-file05: data
./inhere/-file06: data
./inhere/-file07: ASCII text
./inhere/-file08: data
./inhere/-file09: data
bandit4@bandit:~$ cd inhere
bandit4@bandit:~/inhere$ cat ./inhere/-file07
cat: ./inhere/-file07: No such file or directory
bandit4@bandit:~/inhere$ cd ..
bandit4@bandit:~$ cat ./inhere/-file07
koReBOKuIDDepwhWk7jZC0RTdopnAYKh
bandit4@bandit:~$
```

LEVEL 5

```
bandit5@bandit:~$ ls -a
. .. .bash_logout .bashrc inhere .profile
bandit5@bandit:~$ cd inhere
bandit5@bandit:~/inhere$ ls -a
. .. maybehere02 maybehere06 maybehere10 maybehere14 maybehere18
.. maybehere03 maybehere07 maybehere11 maybehere15 maybehere19
maybehere00 maybehere04 maybehere08 maybehere12 maybehere16
maybehere01 maybehere05 maybehere09 maybehere13 maybehere17
bandit5@bandit:~/inhere$ file *
maybehere00: directory
maybehere01: directory
maybehere02: directory
maybehere03: directory
maybehere04: directory
maybehere05: directory
maybehere06: directory
maybehere07: directory
maybehere08: directory
maybehere09: directory
maybehere10: directory
maybehere11: directory
maybehere12: directory
maybehere13: directory
maybehere14: directory
maybehere15: directory
maybehere16: directory
maybehere17: directory
maybehere18: directory
maybehere19: directory

bandit5@bandit:~$ du -ah ./inhere/
12K ./inhere/maybehere03/.file2
12K ./inhere/maybehere03/spaces file3
12K ./inhere/maybehere03/-file3
8.0K ./inhere/maybehere03/-file2
4.0K ./inhere/maybehere03/.file3
4.0K ./inhere/maybehere03/spaces file1
4.0K ./inhere/maybehere03/-file1
4.0K ./inhere/maybehere03/spaces file2
12K ./inhere/maybehere03/.file1
76K ./inhere/maybehere03
8.0K ./inhere/maybehere19/.file2
4.0K ./inhere/maybehere19/spaces file3
8.0K ./inhere/maybehere19/-file3
8.0K ./inhere/maybehere19/-file2
4.0K ./inhere/maybehere19/.file3
8.0K ./inhere/maybehere19/spaces file1
8.0K ./inhere/maybehere19/-file1
12K ./inhere/maybehere19/spaces file2
8.0K ./inhere/maybehere19/.file1
72K ./inhere/maybehere19
12K ./inhere/maybehere06/.file2
8.0K ./inhere/maybehere06/spaces file3
4.0K ./inhere/maybehere06/-file3
4.0K ./inhere/maybehere06/-file2
4.0K ./inhere/maybehere06/.file3
4.0K ./inhere/maybehere06/spaces file1
8.0K ./inhere/maybehere06/-file1
8.0K ./inhere/maybehere06/spaces file2

bandit5@bandit:~$ find ./inhere/ -readable -size 1033c
./inhere/maybehere07/.file2
bandit5@bandit:~$ cat ./inhere/maybehere07/.file2
DXjZPULLxYr17uwoI01bNLQbtFemEgo7
```

LEVEL 6

```
bandit6@bandit:~$ find -size 33c -type f -user bandit7 -group bandit6
find: './root': Permission denied
find: './home/bandit28-git': Permission denied
  Files './home/bandit30-git': Permission denied
find: './home/bandit5/inhere': Permission denied
find: './home/bandit27-git': Permission denied
find: './home/bandit29-git': Permission denied
find: './home/bandit31-git': Permission denied
find: './lost+found': Permission denied
find: './etc/ssl/private': Permission denied
find: './etc/polkit-1/localauthority': Permission denied
find: './etc/lvm/archive': Permission denied
find: './etc/lvm/backup': Permission denied
find: './sys/fs/pstore': Permission denied
find: './proc/tty/driver': Permission denied
find: './proc/10880/task/10880/fdinfo/6': No such file or directory
find: './proc/10880/fdinfo/5': No such file or directory
find: './cgroup2/csessions': Permission denied
find: './boot/lost+found': Permission denied
find: './tmp': Permission denied
find: './run/lvm': Permission denied
find: './run/screen/S-bandit1': Permission denied
find: './run/screen/S-bandit10': Permission denied
find: './run/screen/S-bandit29': Permission denied
find: './run/screen/S-bandit25': Permission denied
find: './run/screen/S-bandit30': Permission denied
find: './run/screen/S-bandit9': Permission denied
find: './run/screen/S-bandit28': Permission denied
find: './run/screen/S-bandit18': Permission denied
```

The file without “Permission denied “ is the file we’re looking for .

```
bandit6@bandit:~$ find -size 33c -type f -user bandit7 -group bandit6
find: './var/lib/polkit-1': Permission denied
./var/lib/dpkg/info/bandit7.password
find: './var/log': Permission denied
find: './var/cache/apt/archives/partial': Permission denied
find: './var/cache/ldconfig': Permission denied
bandit6@bandit:~$
```

```
bandit6@bandit:~$ cat ./var/lib/dpkg/info/bandit7.password
HKBPTKQnIay4Fw76bEy8PVxKEDQRKTzs
```

```
bandit7@bandit:~$ ls -a
. .. .bash_logout .bashrc data.txt .profile
bandit7@bandit:~$ cat data.txt | grep millionth
millionth      cvX2JJa4CFALtqS87jk27qwqGhBM9plV
bandit7@bandit:~$
```

LEVEL 7

LEVEL 8

```
bandit8@bandit:~$ ls -a
.  ..  .bash_logout  .bashrc  data.txt  .profile
bandit8@bandit:~$ sort data.txt | uniq -u
UsvVyFSfZZWbi6wgC7dAFyFuR6jQQUhR
bandit8@bandit:~$
```

LEVEL 9

```
bandit9@bandit:~$ ls
data.txt
bandit9@bandit:~$ cat data.txt | grep '='
Binary file (standard input) matches
bandit9@bandit:~$ file data.txt
data.txt: data
bandit9@bandit:~$ strings data.txt | grep '='
=====
the*2i"4
=:G e
===== password
<I=zsGi
Z)=====
A=|t&E
Zdb=
c^ LAh=3G
*SF=s
&===== truKLdjsbJ5g7yyJ2X2R0o3a5HQJFuLk
S=A.H&^
bandit9@bandit:~$
```

LEVEL 10

```
bandit10@bandit:~$ ls -a
.  ..  .bash_logout  .bashrc  data.txt  .profile
bandit10@bandit:~$ man base64
bandit10@bandit:~$ base64 -d data.txt
The password is IFukwKGsFW8M0q3IRFqrxE1hxTNEbUPR
bandit10@bandit:~$
```

LEVEL 11

```
bandit11@bandit:~$ ls --a
ls: cannot access '--a': No such file or directory
bandit11@bandit:~$ ls -a
. . . .bash_logout .bashrc data.txt .profile
bandit11@bandit:~$ cat data.txt
Gur cnffjbeq vf 5Gr8L4qetPEsPk8htqjhRK8XSP6x2RHH
bandit11@bandit:~$ rot 13 data.txt
-bash: rot: command not found
```

AS rot13 is not found

I used this website rot13.comto rotate letters by 13

rot13.com

[About ROT13](#)

Gur cnffjbeq vf 5Gr8L4qetPEsPk8htqjhRK8XSP6x2RHH



ROT13 ▾



The password is 5Te8Y4drgCRfCx8ugdwuEX8KFC6k2EUu

LEVEL 12

```
bandit12@bandit:~$ ls
data.txt
bandit12@bandit:~$ mkdirv /tmp/dina
-bash: mkdirv: command not found
bandit12@bandit:~$ mkdir /tmp/dina
bandit12@bandit:~$ file *
data.txt: ASCII text
bandit12@bandit:~$ cat data.txt
00000000: 1f8b 0808 0650 b45e 0203 6461 7461 322e .....P.^..data2.
00000010: 6269 6e00 013d 02c2 fd42 5a68 3931 4159 bin..=...BZh91AY
00000020: 2653 598e 4f1c c800 001e 7fff fbf9 7fd9 &SY.0.....
00000030: 9e7f 4f76 9fcf fe7d 3fff f67d abde 5e9f ..0v...}?.}..^.
00000040: f3fe 9fbf f6f1 fee0 bfdf a3ff b001 3b1b .....
00000050: 5481 a1a0 1ea0 1a34 d0d0 001a 68d3 4683 T.....4....h.F.
00000060: 4680 0680 0034 1918 4c4d 190c 4000 0001 F.....4..LM..@...
00000070: a000 c87a 81a3 464d a8d3 43c5 1068 0346 ...z..FM..C..h.F
00000080: 8343 40d0 3400 0340 66a6 8068 0cd4 f500 .C@.4..@f..h....
00000090: 69ea 6800 0f50 68f2 4d00 680d 06ca 0190 i.h..Ph.M.h.....
000000a0: 0000 69a1 a1a0 1ea0 194d 340d 1ea1 b280 ..i.....M4.....
000000b0: f500 3406 2340 034d 3400 0000 3403 d400 ..4.#@.M4....4...
000000c0: 1a07 a832 3400 f51a 0003 43d4 0068 0d34 ...24....C..h.4
000000d0: 6868 f51a 3d43 2580 3e58 061a 2c89 6bf3 hh..=C%.>X...k.
000000e0: 0163 08ab dc31 91cd 1747 599b e401 0b06 .c....1...GY.....
000000f0: a8b1 7255 a3b2 9cf9 75cc f106 941b 347a ..rU....u.....4z
00000100: d616 55cc 2ef2 9d46 e7d1 3050 b5fb 76eb ..U....F..0P..v.
00000110: 01f8 60c1 2201 33f0 0de0 4aa6 ec8c 914f ...`..".3....J....0
00000120: cf8a aed5 7b52 4270 8d51 6978 c159 8b5a ....{RBp.Qix.Y.Z
00000130: 2164 fb1f c26a 8d28 b414 e690 bfdd b3e1 !d....j.(.....
00000140: f414 2f9e d041 c523 b641 ac08 0c0b 06f5 .../.A.#.A.....
bandit12@bandit:~$ cp data.txt /tmp/dina
bandit12@bandit:~$ cd /tmp/dina
bandit12@bandit:/tmp/dina$ ls
data.txt
```

```
bandit12@bandit:/tmp/dina$ cat data.txt | xxd -r > data
bandit12@bandit:/tmp/dina$ ls
data data.txt dta2.gz
bandit12@bandit:/tmp/dina$ file data
data: gzip compressed data, was "data2.bin", last modified: Thu May  7 18:14:30 20
20, max compression, from Unix
bandit12@bandit:/tmp/dina$ mv data data2.gz
bandit12@bandit:/tmp/dina$ ls
data2.gz data.txt dta2.gz
bandit12@bandit:/tmp/dina$ gzip -d data2.gz
bandit12@bandit:/tmp/dina$ ls
data2 data.txt dta2.gz
bandit12@bandit:/tmp/dina$ file data2
data2: bzip2 compressed data, block size = 900k
bandit12@bandit:/tmp/dina$ mv data2 data2.bz2
bandit12@bandit:/tmp/dina$ ls
data2.bz2 data.txt dta2.gz
bandit12@bandit:/tmp/dina$ bzip2 -d data2.bz2
bandit12@bandit:/tmp/dina$ ls
data2 data.txt dta2.gz
bandit12@bandit:/tmp/dina$ file data2
data2: gzip compressed data, was "data4.bin", last modified: Thu May  7 18:14:30 2
020, max compression, from Unix
bandit12@bandit:/tmp/dina$ mv data2 data4.gz
bandit12@bandit:/tmp/dina$ gzip -d data4.gz
bandit12@bandit:/tmp/dina$ file data4
data4: POSIX tar archive (GNU)
bandit12@bandit:/tmp/dina$ ls
data4 data.txt dta2.gz

bandit12@bandit:/tmp/dina$ mv data4 data5.tar
bandit12@bandit:/tmp/dina$ ls
data5.tar data.txt dta2.gz
bandit12@bandit:/tmp/dina$ -xvf data5.tar
-bash: -xvf: command not found
bandit12@bandit:/tmp/dina$ tar -xvf data5.tar
data5.bin
bandit12@bandit:/tmp/dina$ ls
data5.bin data5.tar data.txt dta2.gz
bandit12@bandit:/tmp/dina$ file data5.bin
data5.bin: POSIX tar archive (GNU)
bandit12@bandit:/tmp/dina$ mv data5.bin data6.tar
bandit12@bandit:/tmp/dina$ tar -xvf data6.tar
data6.bin
bandit12@bandit:/tmp/dina$ ls
data5.tar data6.bin data6.tar data.txt dta2.gz
bandit12@bandit:/tmp/dina$ file data6.bin
data6.bin: bzip2 compressed data, block size = 900k
bandit12@bandit:/tmp/dina$ mv data6.bin fata7.bz2
bandit12@bandit:/tmp/dina$ ls
data5.tar data6.tar data.txt dta2.gz fata7.bz2
bandit12@bandit:/tmp/dina$ mv fata7.bz2 data7.bz2
bandit12@bandit:/tmp/dina$ bzip2 -d data7.bz2
bandit12@bandit:/tmp/dina$ ls
data5.tar data6.tar data7 data.txt dta2.gz
bandit12@bandit:/tmp/dina$ file data7
data7: POSIX tar archive (GNU)
```

```
bandit12@bandit:/tmp/dina$ mv data7 data7.tar
bandit12@bandit:/tmp/dina$ tar -xvf data7.tar
data8.bin
bandit12@bandit:/tmp/dina$ ls
data5.tar data6.tar data7.tar data8.bin data.txt dta2.gz
bandit12@bandit:/tmp/dina$ file data8.bin
data8.bin: gzip compressed data, was "data9.bin", last modified: Thu May  7 18:14:
30 2020, max compression, from Unix
bandit12@bandit:/tmp/dina$ mv data8.bin data.gz
bandit12@bandit:/tmp/dina$ mv data.gz data8.gz
bandit12@bandit:/tmp/dina$ ls
data5.tar data6.tar data7.tar data8.gz data.txt dta2.gz
bandit12@bandit:/tmp/dina$ file data8
data8: cannot open `data8' (No such file or directory)
bandit12@bandit:/tmp/dina$ file dta2.gz
dta2.gz: gzip compressed data, was "data2.bin", last modified: Thu May  7 18:14:30
2020, max compression, from Unix
bandit12@bandit:/tmp/dina$ gzip -d data8.gz
bandit12@bandit:/tmp/dina$ ls
data5.tar data6.tar data7.tar data8 data.txt dta2.gz
bandit12@bandit:/tmp/dina$ file data8
data8: ASCII text
bandit12@bandit:/tmp/dina$ cat data8
The password is 8ZjyCRiBWFYkneahHwxCv3wb2a10RpYL
bandit12@bandit:/tmp/dina$ █
```

LEVEL 13

```
bandit13@bandit:~$ ls
sshkey.private
bandit13@bandit:~$ man openssl
bandit13@bandit:~$ 
bandit13@bandit:~$ cat sshkey.private
-----BEGIN RSA PRIVATE KEY-----
MIIEpAIBAAKCAQEAxkkOE83W2cOT7IWhFc9aPaaQmQDdgzuXCv+ppZHa++buSkN+
gg0tcr7Fw8NLGg5+Uzec2rEg0WmeevB13AIoYp0M ZyETq46t+jk9puNwZwIt9XgB
ZufGtZEwWbFWw/vVLNwOXBe4UWStGRWzgPpEeSv5Tb1VjLZIBdGphTIK22Amz6Zb
ThMsiMnyJafEwJ/T8PQ03myS91vUHEuoMAzoUID4kn0MEZ3+XahyK0HJVq68KsV
ObefXG1vvA3GAJ29kxJaqvRfgYnqZryWN7w3CHjNU4c/2Jkp+n8L0SnxaNA+wYA7
jiPyTF0is8uzMlYQ4l1Lzh/8/MpvhCQF8r22dwIDAQABAoIBAQc6dWBjhxE0zjeA
J3j/RWmap9M5zfJ/wb2bfidNpbwB8rsJ4sZIDZQ7XuIh4LfegoAQSS+bBw3RXvZE
pvJt3SmU8hIDuLsCjL1VnBY5pY7Bju8g8aR/3FyjyNAqx/TLfzLLYf0u7i9Jet67
xAh0tONG/u8FB5I3LAI2Vp60viwdWeC4n0xCthldpuPKNLA8rmMMVRTKQ+7T2VS
nXmwYckKUCugzoVSpINZaS0zUDypdpY2+tRH3Mqa5kqN1YKjvF8RC47wo0YCktsD
o3FFpGNFec9Taa3Msy+DfQqhHKZFKIL3bJDONTmrVvtYK40/yeU4aZ/HA2DQzwhe
ol1AfihAoGBAOnVjosBkm7sblK+n4IEwPxs8s0mhPnTDUy5WGrpSCRX0msVIBUF
laL3ZGLx3xCIwtCnEucB9DVN2Hzkupc/h6hTKUYLqXuyLD8njTrbRhLgbC9QrKrs
M1F2fSTxVqPtZDlDMwjNR04xHA/fKh8bXXyTMqOHNJTHHNhbh3McduRjaGBAnku
1hqfnw7+aXncJ9bjysr1ZWbqOE5Nd8AFgfwaKuGTTVX2NsUQnCMWdOp+wFak40JH
PKWkJNdbG+ex0H9JNQsTK3X5PBMAS8AfX0GrKeuwKWA6erytVTqj0fLYcdp5+z9s
8DtVCxDuVsM+i4X8UqIG0lvGbtKEvokHPFXP1q/dAoGAcHg5YX7WEehCgCYTzp0+
xysX8ScM2qS6xuZ3MqUWAXUWkh7NGZvhе0sGy9i0dANzwKw7mUUUViaCMR/t54W1
GC83sOs3D7n5Mj8x3Nd08xFit7dT9a245TvaoYQ7KgmqpSg/ScKCw4c3eiLava+j
3btnJeSIU+8ZXq9XjPRpKwUCgYA7z6Li0QKxNeXH3qHXcnHok855maUj5fJNpPbY
iDkyZ8ySF8GlcFsky8Yw6fWCqfG3zDrohJ5l9JmEsBh7SadkwsZhvecQcS9t4vby
9/8X4js0P8ibfcKS4nBP+dT81kkkg5Z5MohXBORA7VWx+ACohcDEkprsQ+w32xeD
```

```
bandit13@bandit:~$ ssh -i sshkey.private bandit14@localhost
Could not create directory '/home/bandit13/.ssh'.
The authenticity of host 'localhost (127.0.0.1)' can't be established.
ECDSA key fingerprint is SHA256:98UL0ZWr85496EtCRkKlo20X30PnyPSB5tB5RPbhczc.
Are you sure you want to continue connecting (yes/no)? yes
Failed to add the host to the list of known hosts (/home/bandit13/.ssh/known_hosts).
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames
```

```
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux
```



```
Welcome to OverTheWire!
```

```
bandit14@bandit:~$ ls
bandit14@bandit:~$ cd /etc/bandit_pass/bandit14
-bash: cd: /etc/bandit_pass/bandit14: Not a directory
bandit14@bandit:~$ cat /etc/bandit_pass/bandit14
4wcYUJFw0k0XLShlDzztnTBHiqxU3b3e
bandit14@bandit:~$ exit
logout
Connection to localhost closed.
bandit13@bandit:~$
```

LEVEL 14

```
bandit14@bandit:~$ ls -a
.  ..  .bash_logout  .bashrc  .profile  .ssh
bandit14@bandit:~$ cd .ssh
bandit14@bandit:~/ssh$ ls
authorized_keys
bandit14@bandit:~/ssh$ cat authorized_keys
ssh-rsa AAAAB3NzaC1yc2EAAAQABAAQDGSO4TzdbZw5PshaEVz1o9ppCZAN2D05cK/6mlkdr75u
5KQ36CDS1yvsXDw0sZrn5TN5zasSDRaZ568HXcAihinQxnIR0rjq360T2m43BnAi31eAFm58a1kTBZsVbD
+9Us3A5cF7hRZK0ZFb0A+kR5K/lNvVWMTkgF0amFMgrbYCbPplt0EyyIyfIlp8TAn9Pw9A7ebJL3W9QcS6
g4wD0hQgPiQ3QwRnf5dqHlrQclWrrwqxU5t59cbW+8DcYAnb2TElqq9F+BiepmvJY3vDcIeM1Thz/YmSn6
fwvRKfFo0D5ZgDuOI/JMXSKzy7MyVhDiXuvOH/z8ym+EJAXyvbZ3 rudy@localhost
bandit14@bandit:~/ssh$ cd ..
bandit14@bandit:~$ telnet localhost 300000
telnet: port 300000 out of range
bandit14@bandit:~$ telnet localhost 30000
Trying 127.0.0.1...
Connected to localhost.
Escape character is '^].
4wcYUJFw0k0XLShldzztnTBHiqxU3b3e
Correct!
BfMYroe26WYalil77FoDi9qh59eK5xNr

Connection closed by foreign host.
bandit14@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
dinakar@dinakar-VirtualBox:~$
```

LEVEL 15

```
bandit15@bandit:~$ openssl s_client -connect 'localhost:30001'  
CONNECTED(00000003)  
depth=0 CN = localhost  
verify error:num=18:self signed certificate  
verify return:1  
depth=0 CN = localhost  
verify return:1  
---  
Certificate chain  
0 s:/CN=localhost  
i:/CN=localhost  
---  
Server certificate  
-----BEGIN CERTIFICATE-----  
MIICBjCCAW+gAwIBAgIEZ0zuVDANBgkqhkiG9w0BAQUFADAUMRIwEAYDVQQDDA  
lsb2NhbGhvC3QwHhcNMjEwOTMwMDQ0NTU0WhcNMjIwOTMwMDQ0NTU0WjAUMRIwEAYD  
VQQDDA1sb2NhbGhvC3QwgZ8wDQYJKoZIhvNAQEBBQADgY0AMIGJAoGBAM9En7CC  
uPr6cVPATLAVhWMU1hggfIJEp5sZN9RPUbK0zKBv802yD540bHYmIge6lqqkgX0z  
2AuI4UfcG4iMb0UYUCA/wISwNqU0rjcja0OnqzCTRscXzzoIsHbC8lGFzMDRz3Jw  
8nBD6/2jvFt1rnBtZ4ghibNn5rFHRi5EC+k/AgMBAAGjZTBjMBQGA1UdEQQNMAuC  
CWxvY2FsaG9zdDBlBglghkgBvhCAQ0EPHY8QXV0b21hdGljYWxseSBnZW5lcmF0  
ZWQgYnkgTmNhdC4gU2VLIGH0dHBz0i8vbm1hcC5vcmcvbmNhdC8uMA0GCSqGSIb3  
DQEBBQAA4GBAD7/moj14DUi6/D6imJ8pQlAy/8lZlsrbryRnqpzjWaATShDYr7k3  
umdRg+36McINFAgle7nGYZroTSDm650D81+797owSXLPAdp1Q6JfQH5L0ni2kbw  
UHc09hwQ+rJzEgIlfG0ic7dC5lj8DBU5tugY87RZGKiz2GG77WXas9Iz  
-----END CERTIFICATE-----  
subject=/CN=localhost  
issuer=/CN=localhost
```

```
Master-Key: BC3B2C3D40C1D260D7E83DEA07A0BE29B893A254E681EBDAC17744225F01D232AA  
56302292B0AC637DBF4A07B2D4A047  
PSK identity: None  
PSK identity hint: None  
SRP username: None  
TLS session ticket lifetime hint: 7200 (seconds)  
TLS session ticket:  
0000 - 8a eb e8 f5 31 15 46 ad-b2 a8 10 c1 51 b9 66 14 ....1.F....Q.f.  
0010 - c1 c3 3b 38 87 50 64 ea-aa 31 76 b5 a2 f1 6c f3 ..;8.Pd..1v...l.  
0020 - c3 11 ee c4 d8 1e cc 82-3d 44 8e 99 ac 60 b4 2d .....=D...`..  
0030 - ed 08 33 4c 16 75 67 28-22 e9 ed 4b 24 26 be 89 ..3L.ug(..K$&..  
0040 - 22 10 83 0b 4f 45 42 0f-a0 69 2f d6 43 c8 d1 1b "...OEB..i/.C...  
0050 - 48 16 97 ab 8b 83 05 23-d1 86 a0 bd c7 ab 77 34 H.....#.....w4  
0060 - f8 40 41 ef 3b 46 54 b1-2c e6 a3 54 ad f6 1d 5e ..@A.;FT.,..T...^  
0070 - c6 b0 b3 7c 12 55 1e e5-31 ca 99 53 77 e8 be 85 ...|.U..1..Sw...  
0080 - 12 53 76 73 db 7b 67 e1-66 f7 77 eb 4d 0f 1b 57 .Svs.{g.f.w.M..W  
0090 - 0b 9d 65 58 80 7d c0 98-ff 05 5c 24 cc 4a 76 51 ..eX.}....\$.JvQ  
  
Start Time: 1646565131  
Timeout : 7200 (sec)  
Verify return code: 18 (self signed certificate)  
Extended master secret: yes  
---  
BfMYroe26WYalil77FoDi9qh59eK5xNr  
Correct!  
cluFn7wTiGryunymY0u4RcffSxQluehd  
  
closed  
bandit15@bandit:~$
```

PASSWORDS FOR ALL LEVEL 0-15

Level 0 password	-bandit0
Level 1 password	-boJ9jbbUNNfkttd7800psq0ltutMc3MY1
Level 2 password	-CV1DtqXWVFXTvM2F0k09SHz0YwRINYA9
Level 3 password	-UmHadQclWmgdLOKQ3YNgjWxGoRMb5luK
Level 4 password	-pIwrPrtPN36QITSp3EQaw936yaFoFgAB
Level 5 password	-koReBOKuIDDepwhWk7jZC0RTdopnAYKh
Level 6 password	-DXjZPULLxYr17uwoI01bNLQbtFemEgo7
Level 7 password	-HKBPTKQnIay4Fw76bEy8PVxKEDQRKTzs
Level 8 password	-cvX2JJa4CFALTqS87jk27qwqGhBM9plV
Level 9 password	-UsvVyFSfZZWbi6wgC7dAFyFuR6jQQUhR
Level 10 password	-truKLDjsbJ5g7yyJ2X2R0o3a5HQJFuLk
Level 11 password	-IFukwKGsFW8MOq3IRFqrxE1hxTNEbUPR
Level 12 password	-5Te8Y4drgCRfCx8ugdwuEX8KFC6k2EUu
Level 13 password	-8ZjyCRiBWFYkneahHwxCv3wb2a1ORpYL
Level 14 password	-4wcYUJFw0k0XLShlDzztnTBHiqxU3b3e
Level 15 password	-BfMYroe26WYalil77FoDi9qh59eK5xNr

Level 0 password - bandit0

Level 1 password-
boJ9jbbUNNfkttd7800psq0ltutM3MY1

Level 2 password -	CV1DtqXWVFXTvM2F0k09SHz0YwRINYA9
Level 3 password	UmHadQclWmgdLOKQ3YNgjWxGoRMb5luK
Level 4 password	pIwrPrtPN36QITSp3EQaw936yaFoFgAB
Level 5 password	koReBOKuIDDepwhWk7jZC0RTdopnAYKh
Level 6 password	DXjZPULLxYr17uwoI01bNLQbtFemEgo7
Level 7 password	HKBPTKQnIay4Fw76bEy8PVxKEDQRKTzs
Level 8 password	cvX2JJa4CFALTqS87jk27qwqGhBM9plV
Level 9 password	UsvVyFSfZZWbi6wgC7dAFyFuR6jQQUhR
Level 10 password	truKLDjsbJ5g7yyJ2X2R0o3a5HQJFuLk
Level 11 password	IFukwKGsFW8MOq3IRFqrxE1hxTNEbUPR
Level 12 password	5Te8Y4drgCRfCx8ugdwuEX8KFC6k2EUu
Level 13 password	8ZjyCRiBWFYkneahHwxCv3wb2a1ORpYL
Level 14 password	4wcYUJFw0k0XLShlDzztnTBHiqxU3b3e
Level 15 password	BfMYroe26WYalil77FoDi9qh59eK5xNr