TASK-7: BANDIT

To get to level 0 we need to simply SSH into bandit with the username: bandit0 and password: bandit0

likhith@likhith-VirtualBox:~\$ ssh bandit0@bandit.labs.overthewire.org -p 2220

Level 0 to 1:

The password for the next level is stored in a file called readme located in the home directory. Use this password to log into bandit1 using SSH. Whenever you find a password for a level, use SSH to log into that level and continue.



PASSWORD: boJ9jbbUNNfktd7800psq0ltutMc3MY1

Type ssh back into next level by typing exit.

Level 1 to 2:

The password for the next level stored in a file in a home directory



PASSWORD:

CV1DtqXWVFXTvM2F0k09SHz0YwRINYA9

Level 2 to 3:

```
bandit2@bandit:-$ ls
spaces in this filename
bandit2@bandit:-$ cat spaces\ in\ this\ filename
UmHadQclWmgdLOKQ3YNgjWxGoRMb5luK
```

The password for the this level is stored in a file called spaces in this filename.

PASSWORD:

UmHadQclWmgdLOKQ3YNgjwxGoRMb5luK

Level 3 to 4:

```
bandit3@bandit:~$ ls
inhere
bandit3@bandit:~$ cd inhere
bandit3@bandit:~/inhere$ ls -a
. . . . . . hidden
bandit3@bandit:~/inhere$ cat .hidden
pIwrPrtPN36QITSp3EQaw936yaFoFgAB
```

The password for this level is stored in hidden file in inhere directory.

PASSWORD:

pIwrPrtPN36QITSp3EQaw936yaFoFgAB

Level 4 to 5:

```
bandit4@bandit:-$ ls -a
... bash_logout .bashrc inhere .profile
bandit4@bandit:-$ cd inhere
bandit4@bandit:-\inhere$ ls -a
... -file00 -file01 -file02 -file03 -file04 -file05 -file06 -file07 -file08 -file09
bandit4@bandit:-\inhere$ file ./-*
./-file01: data
./-file01: data
./-file02: data
./-file03: data
./-file04: data
./-file06: data
./-file06: data
./-file06: data
./-file06: data
./-file06: data
./-file09: data
bandit4@bandit:-\inhere$ cat ./-file07
koReBOKuIDDepwhwk7jZCORTdopnAYKh
```

The password for this level is stored in inhere directory in an ascii text

PASSWORD:

koReBOKuIDDepwhWk7jZCORTdopnAYKh

Level 5 to 6:

The password for this level is stored in inhere directory Check all the files mentioned in this directory Properties we need: human-readable -1033 bytes in size.

```
bandit5@bandit:-/inhere$ ls -a
. maybehere00 maybehere04 maybehere04 maybehere06 maybehere08 maybehere08 maybehere01 maybehere11 maybehere12 maybehere14 maybehere16 maybehere18
.. maybehere03 maybehere03 maybehere07 maybehere09 maybehere11 maybehere13 maybehere15 maybehere17 maybehere19
bandit5@bandit:-/inhere$ find -type f -size 1033c
./maybehere07/.file2
bandit5@bandit:-/inhere$ cat ./maybehere07/.file2
DXjZPULLXYr17uwo101bNLQbtFemEgo7
```

PASSWORD:

DXjZPULLxYr17uwoI01bNLQbtFemEgo7

Level 6 to 7:

```
bandit6@bandit:~$ find / -type f -user bandit7 -group bandit6 -size 33c

bandit6@bandit:~$ cat /var/lib/dpkg/info/bandit7.password
HKBPTKQnIay4Fw7obEy8PVKEDQRKTzs
```

PASSWORD:

HKBPTKQnIay4Fw76bEy8PVxKEDQRKTzs

Level 7 to 8:

The password in this file is stored in the file data.txt next to the word millionth

```
bandit7@bandit:~$ ls -a
....bash_logout .bashrc data.txt .profile
bandit7@bandit:~$ awk '/^millionth/ {print $2;}' data.txt
cvX2JJa4CFALtqS87jk27qwqGhBM9plV
```

PASSWORD:

cvX2JJa4CFALtqS87jk27qwqGhBM9plV

Level 8 to 9:

The password in this level is stored in data.txt Use sort, pipe, grep to find that

```
bandit8@bandit:-$ ls -a
. . .bash logout .bashrc data.txt .profile
bandit8@bandit:-$ cat data.txt | sort | uniq -u
UsvVyFSfZZWbi6wgC7dAFyFuR6jQQUhR
```

PASSWORD:

UsvVyFSfZZWbi6wgC7dAFyFuR6jQQUhR

Level 9 to 10:

The password in this level is stored in data.txt Characters like '='

PASSWORD:

TruKLdjsbJ5g7yyJ2X2R0o3a5HQJFuLk

Level 10 to 11:

The password for this level is stored in data.txt It contains base 64 encoded data

```
bandit10@bandit:~$ ls -a
... bash_logout .bashrc data.txt .profile
bandit10@bandit:~$ cat data.txt
VGhliHBhc3N3b3JkIGlzIElGdWt3S0dzRlc4TU9xM0lSRnFyeEUxaHhUTkViVVBSCg==

bandit10@bandit:~$ echo VGhliHBhc3N3b3JkIGlzIElGdWt3S0dzRlc4TU9xM0lSRnFyeEUxaHhUTkViVVBSCg== | base64 --decode
The password is IFukwKGsFW8MOq3IRFqrxE1hxTNEbUPR
```

PASSWORD:

IFukwKGsFW8MOq3IRFqrxE1hxTNEbUPR

Level 11 to 12:

The password for this level is stored in data.txt where all lowercase letters and uppercase letters rotated by 13 positions.

```
banditi1@bandit:-$ ls -a
....bash_logout .bashrc data.txt .profile
banditi1@bandit:-$ cat data.txt
Gur cnffjbeq vf 5Gr8L4qetPEspk8htqjhRK8XSP6x2RHh
banditi1@bandit:-$ echo Gur cnffjbeq vf 5Gr8L4qetPEspk8htqjhRK8XSP6x2RHh
Gur cnffjbeq vf 5Gr8L4qetPEspk8htqjhRK8XSP6x2RHh
banditi1@bandit:-$ echo Gur cnffjbeq vf 5Gr8L4qetPEspk8htqjhRK8XSP6x2RHh
banditi1@bandit:-$ echo Gur cnffjbeq vf 5Gr8L4qetPEspk8htqjhRK8XSP6x2RHh | tr [a-zA-Z] [n-za-mN-ZA-M]
The password is 5Te8Y4drgCRfCx8ugdwuEX8KFC6k2EUu
```

PASSWORD:

5Te8Y4drgCRfCx8ugdwuEX8KFC6k2EUu

Level 12 to 13:

The password for this level is stored in a file data.txt which is a hexdump of a file that has been repeatedly compressed.

```
banditi2gbandit:/tmp/likhtth1235 file data
data: gzip compressed data, was "data2.bin", last modified: Thu May 7 18:14:30 2020, max compression, from Unix
banditi2gbandit:/tmp/likhtth1235 grip -d data.gz
banditi2gbandit:/tmp/likhtth1235 grip -d data.gz
banditi2gbandit:/tmp/likhtth1235 file data
data data.txt
banditi2gbandit:/tmp/likhtth1235 file data
data: bzip2 compressed data, block size = 900k
banditi2gbandit:/tmp/likhtth1235 m data data.bz2
banditi2gbandit:/tmp/likhtth1235 sr data data.bz2
banditi2gbandit:/tmp/likhtth1235 sr
data bz2 data.txt
banditi2gbandit:/tmp/likhtth1235 sr
data data.txt
banditi2gbandit:/tmp/likhtth1235 m data data.gz
banditi2gbandit:/tmp/likhtth1235 sr
data data.txt
banditi2gbandit:/tmp/likhtth1235 sr
data data.txt
banditi2gbandit:/tmp/likhtth1235 file data
data.txt
banditi2gbandit:/tmp/likhtth1235 file data
data.txt
banditi2gbandit:/tmp/likhtth1235 m data data.gz
banditi2gbandit:/tmp/likhtth1235 sr
data data.txt
banditi2gbandit:/tmp/likhtth1235 m data data.gz
banditi2gbandit:/tmp/likhtth1235 sr
data.bin data.txt
banditi2gbandit:/tmp/likhtth1235 file data
data: POSIX tar archive (GNU)
banditi2gbandit:/tmp/likhtth1235 sr
data5.bin: POSIX tar archive (GNU)
banditi2gbandit:/tmp/likhtth1235 ts
data5.bin: POSIX tar archive (GNU)
banditi2gbandit:/tmp/likhtth1235 file data5.bin
data5.bin: POSIX tar archive (GNU)
```

```
data5.bin data.tar data.txt

bandtt12gbandtt:/tmp/lkhtht123$ file data5.bin data5.tar

data5.bin: POSIX tar archive (GNU)

bandtt12gbandtt:/tmp/lkhtht123$ rw data5.bin data5.tar

tar: data6.tar: Cannot open: No such file or directory

tar: Error is not recoverable: exiting now

bandtt12gbandtt:/tmp/lkhtht123$ tar -x -f data5.tar

bandtt12gbandtt:/tmp/lkhtht123$ tar -x -f data5.tar

bandtt12gbandtt:/tmp/lkhtht123$ tar data6.tar

bandtt12gbandtt:/tmp/lkhtht123$ file data6.bin

data6.bin: bzip2 compressed data, block size = 900k

bandtt12gbandtt:/tmp/lkhtht123$ mv data6.bin data6.tar

bandtt12gbandtt:/tmp/lkhtht123$ mv data6.bin data6.tar

bandtt12gbandtt:/tmp/lkhtht123$ file data6.tar

bandtt12gbandtt:/tmp/lkhtht123$ file data6.tar

bandtt12gbandtt:/tmp/lkhtht123$ file data.bin

data.bin: cannot open 'data.bin' (No such file or directory)

bandtt12gbandtt:/tmp/lkhtht123$ file data8.bin data.such data8.gz

bandtt12gbandtt:/tmp/lkhtht123$ file data8.gz

bandtt12gbandtt:/tmp/lkhtht123$ file data8.gz

bandtt12gbandtt:/tmp/lkhtht123$ file data8

data8. ASCII text

bandtt12gbandtt:/tmp/lkhtht123$ cat data8

The password is 8ZjyCR1BMFYkneahHwxCV3wb2a10RPYL

bandtt12gbandtt:/tmp/lkhtht123$ cat data8

The password is 8ZjyCR1BMFYkneahHwxCV3wb2a10RPYL
```

PASSWORD: 8ZjyCRiBWFYkneahHwxCv3wb2a10RpYL

Level 13 to 14:

The password for the next level is stored in /etc/bandit_pass/bandit14 and can only be read by user bandit14. For this level u no need to get password but you get a SSHkey that can be used to log in to the next level.

```
bandit13@bandit:-$ ls -a
... bash_logout .bashrc .profile sshkey.private
bandit13@bandit:-$ ssh -i sshkey.private bandit 14@localhost
ssh: Could not resolve hostname bandit: No address associated with hostname
bandit13@bandit:-$ ls
sshkey.private
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 SHA256:98UL0ZWr85496EtCRKKlo20X3OPnyPSB5tB5RPbhczc.
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
```

bandit14@bandit:~\$ cat /etc/bandit_pass/bandit14
4wcYUJFw0k0XLShlDzztnTBHioxU3b3e

PASSWORD:

4wcYUJFw0k0XLShlDzztnTBHiqxU3b3e

Level 14 to 15:

The password for this level can be retrieved by submitting the password of the current level to port 30000 on localhost.

```
bandit14@bandit:-$ telnet localhost 30000
Trying 127.0.0.1...
Connected to localhost.
Escape character is '^]'.
4wcYUJFw0k0XLShlDzztnTBHiqxU3b3e
Correct!
BfMYroe26WYalil77FoDi9qh59eK5xNr
```

PASSWORD:

BfMYroe26WYalil77FoDi9qh59eK5xNr

Level 15 to 16:

The password for this level can be retrived by submitting the password of the current level to port 30001 on localhost using SSL encryption.

PASSWORD: cluFn7wTiGryunymYOu4RcffSxqluehd