



Cognizance

Task – 7

Linux Games – Over the wire – Bandit

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#Level 0:

Password – bandit0

```
prabha@prabha-VirtualBox:~$ 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
```

Welcome to OverTheWire!

#Level 0 → Level 1:

Password - boJ9jbbUNNfktd78OOpsqOltutMc3MY1

```
bandit0@bandit:~$ ls -alps
total 24
4 drwxr-xr-x  2 root    root    4096 May  7  2020 ./
4 drwxr-xr-x 41 root    root    4096 May  7  2020 ../
4 -rw-r--r--  1 root    root      220 May 15  2017 .bash_logout
4 -rw-r--r--  1 root    root    3526 May 15  2017 .bashrc
4 -rw-r--r--  1 root    root      675 May 15  2017 .profile
4 -rw-r-----  1 bandit1 bandit0   33 May  7  2020 readme
bandit0@bandit:~$ cat readme
boJ9jbbUNNfktd7800psq0ltutMc3MY1
```

#Level 1 \rightarrow Level 2:

Password – CV1DtqXWVFXTvM2F0k09SHz0YwRINYA9

```
bandit1@bandit:~$ ls -alps
total 24
4 -rw-r----- 1 bandit2 bandit1 33 May 7 2020 -
4 drwxr-xr-x 2 root root 4096 May 7 2020 ./
4 drwxr-xr-x 41 root root 4096 May 7 2020 ../
4 -rw-r--r-- 1 root root 220 May 15 2017 .bash_logout
4 -rw-r--r-- 1 root root 3526 May 15 2017 .bashrc
4 -rw-r--r-- 1 root root 675 May 15 2017 .profile
bandit1@bandit:~$ cat ./-
CV1DtqXWVFEXtVm2F0k09SHz0YwRINYA9
```

#Level 2 → Level 3:

Password – UmHadQclWmgdLOKQ3YNgjWxGoRMb5luK

```
bandit2@bandit:~$ ls -alps
total 24
4 drwxr-xr-x  2 root    root    4096 May  7  2020 ./
4 drwxr-xr-x 41 root    root    4096 May  7  2020 ../
4 -rw-r--r--  1 root    root     220 May 15  2017 .bash_logout
4 -rw-r--r--  1 root    root   3526 May 15  2017 .bashrc
4 -rw-r--r--  1 root    root    675 May 15  2017 .profile
4 -rw-r----- 1 bandit3 bandit2   33 May  7  2020 spaces in this filename
bandit2@bandit:~$ cat spaces\ in\ this\ filename\
> ^C
bandit2@bandit:~$ cat spaces/ in/ this/ filename/
cat: spaces/: No such file or directory
cat: in/: No such file or directory
cat: this/: No such file or directory
cat: filename/: No such file or directory
bandit2@bandit:~$ cat spaces/ in/ this/ filename
cat: spaces/: No such file or directory
cat: in/: No such file or directory
cat: this/: No such file or directory
cat: filename: No such file or directory
bandit2@bandit:~$ cat /spaces/ in/ this/ filename
cat: /spaces/: No such file or directory
cat: in/: No such file or directory
cat: this/: No such file or directory
cat: filename: No such file or directory
bandit2@bandit:~$ cat cat spaces\ in\ this\ filename
cat: cat: No such file or directory
UmHadQclWmgdLOKQ3YNgjWxGoRMb5luK
bandit2@bandit:~$ cat spaces\ in\ this\ filename
UmHadQclWmgdLOKQ3YNgjWxGoRMb5luK
```

#Level 3 → Level 4:

Password - pIwrPrtPN36QITSp3EQaw936yaFoFgAB

```
bandit3@bandit:~$ ls -alps
total 24
4 drwxr-xr-x  3 root    root    4096 May  7  2020 ./
4 drwxr-xr-x 41 root    root    4096 May  7  2020 ../
4 -rw-r--r--  1 root    root     220 May 15  2017 .bash_logout
4 -rw-r--r--  1 root    root   3526 May 15  2017 .bashrc
4 drwxr-xr-x  2 root    root    4096 May  7  2020 inhere/
4 -rw-r--r--  1 root    root    675 May 15  2017 .profile
bandit3@bandit:~$ cd inhere/
bandit3@bandit:~/inhere$ ls
bandit3@bandit:~/inhere$ ls -a
.  ..  .hidden
bandit3@bandit:~/inhere$ cat .hidden
pIwrPrtPN36QITSp3EQaw936yaFoFgAB
```

#Level 4 → Level 5:

Password – *koReBOKuIDDepwhWk7jZC0RTdopnAYKh*

```
bandit4@bandit:~$ cd inhere/
bandit4@bandit:~/inhere$ ls -al
total 48
drwxr-xr-x 2 root root 4096 May 7 2020 .
drwxr-xr-x 3 root root 4096 May 7 2020 ..
-rw-r----- 1 bandit5 bandit4 33 May 7 2020 -file00
-rw-r----- 1 bandit5 bandit4 33 May 7 2020 -file01
-rw-r----- 1 bandit5 bandit4 33 May 7 2020 -file02
-rw-r----- 1 bandit5 bandit4 33 May 7 2020 -file03
-rw-r----- 1 bandit5 bandit4 33 May 7 2020 -file04
-rw-r----- 1 bandit5 bandit4 33 May 7 2020 -file05
-rw-r----- 1 bandit5 bandit4 33 May 7 2020 -file06
-rw-r----- 1 bandit5 bandit4 33 May 7 2020 -file07
-rw-r----- 1 bandit5 bandit4 33 May 7 2020 -file08
-rw-r----- 1 bandit5 bandit4 33 May 7 2020 -file09
bandit4@bandit:~/inhere$ find . -type f | xargs file
./-file01: data
./-file00: data
./-file06: data
./-file03: data
./-file05: data
./-file08: data
./-file04: data
./-file07: ASCII text
./-file02: data
./-file09: data
bandit4@bandit:~/inhere$ cat ./-file07
koReBOKuIDDepwhWk7jZC0RTdopnAYKh
```

#Level 5 → Level 6:

Password - *DXjZPULLxYr17uwoI01bNLQbtFemEgo7*

```
bandit5@bandit:~$ ls -alps
total 24
4 drwxr-xr-x 3 root root 4096 May 7 2020 ./
4 drwxr-xr-x 41 root root 4096 May 7 2020 ../
4 -rw-r--r-- 1 root root 220 May 15 2017 .bash_logout
4 -rw-r--r-- 1 root root 3526 May 15 2017 .bashrc
4 drwxr-x--- 22 root bandit5 4096 May 7 2020 inhere/
4 -rw-r--r-- 1 root root 675 May 15 2017 .profile
bandit5@bandit:~$ cd inhere/
bandit5@bandit:~/inhere$ find . -type f -size 1033c ! -executable
./maybehere07/.file2
bandit5@bandit:~/inhere$ cat ./maybehere07/.file2
DXjZPULLxYr17uwoI01bNLQbtFemEgo7
```

#Level 6 → Level 7:

Password - HKBPTKQnIay4Fw76bEy8PVxKEDQRKTzs

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

#Level 7 → Level 8:

Password - cvX2JJJa4CFALtqS87jk27qwqGhBM9plV

```
bandit7@bandit:~$ strings data.txt | grep "millionth"  
millionth          cvX2JJJa4CFALtqS87jk27qwqGhBM9plV
```

#Level 8 → Level 9:

Password – UsvVyFSfZZWbi6wgC7dAFyFuR6jQQUhr

```
bandit8@bandit:~$ sort data.txt | uniq -c  
1 UsvVyFSfZZWbi6wgC7dAFyFuR6jQQUhr
```

#Level 9 → Level 10:

Password - truKLdjsbJ5g7yyJ2X2R0o3a5HQJFuLk

```
bandit9@bandit:~$ strings data.txt | grep "="
===== the*2i"4
=:G e
===== password
<I=zsGi
Z)===== is
A=|t&E
Zdb=
c^ LAh=3G
*SF=s
&===== truKLdjsbJ5g7yyJ2X2R0o3a5HQJFuLk
S=A.H&^
```

#Level 10 → Level 11:

Password - IFukwKGsFW8MOq3IRFqrxE1hxTNEbUPR

```
bandit10@bandit:~$ cat data.txt
VGhliHBhc3N3b3JkIGlzIElGdWt3S0dzRlc4TU9xM0lSRnFyeEUxaHhUTkViVVBSCg==
bandit10@bandit:~$ base
-bash: base: command not found
bandit10@bandit:~$ base64 -d data.txt
The password is IFukwKGsFW8MOq3IRFqrxE1hxTNEbUPR
```

#Level 11 → Level 12:

Password - 5Te8Y4drgCRfCx8ugdwuEX8KFC6k2EUu

```
bandit11@bandit:~$ cat data.txt
Gur cnffjbeq vf 5Gr8L4qetPEsPk8htqjhRK8XSP6x2RHh
```

#Level 12 → Level 13:

Password - 8ZjyCRiBWFYkneahHwxCv3wb2a1ORpYL

```
bandit12@bandit:~$ mkdir /tmp/faheem
bandit12@bandit:~$ cp data.txt /tmp/faheem
bandit12@bandit:~$ cd /tmp/faheem
bandit12@bandit:/tmp/prabha$ ls
data.txt
bandit12@bandit:/tmp/prabha$ xxd -r data.txt > data
bandit12@bandit:/tmp/prabha$ ls
data  data.txt
bandit12@bandit:/tmp/prabha$ file data
data: gzip compressed data, was "data2.bin", last modified: Thu May  7 18:14:30 2020, max compression, from Unix
bandit12@bandit:/tmp/prabha$ mv data file.gz
bandit12@bandit:/tmp/prabha$ gzip -d file.gz
bandit12@bandit:/tmp/prabha$ ls
data.txt  file
bandit12@bandit:/tmp/prabha$ file file
file: bzip2 compressed data, block size = 900k
bandit12@bandit:/tmp/prabha$ mv file file.bz2
bandit12@bandit:/tmp/prabha$ bzip2 -d file.bz2
bandit12@bandit:/tmp/prabha$ ls
data.txt  file
bandit12@bandit:/tmp/prabha$ file file
file: gzip compressed data, was "data4.bin", last modified: Thu May  7 18:14:30 2020, max compression, from Unix
bandit12@bandit:/tmp/prabha$ mv file file.gz
bandit12@bandit:/tmp/prabha$ gzip -d file.gz
bandit12@bandit:/tmp/prabha$ ls
data.txt  file
bandit12@bandit:/tmp/prabha$ file file
file: POSIX tar archive (GNU)
bandit12@bandit:/tmp/prabha$ mv file file.tar
bandit12@bandit:/tmp/prabha$ tar xf file.tar
bandit12@bandit:/tmp/prabha$ ls
```

```
bandit12@bandit:/tmp/prabha$ file data5.bin
data5.bin: POSIX tar archive (GNU)
bandit12@bandit:/tmp/prabha$ rm file.tar
bandit12@bandit:/tmp/prabha$ rm data
rm: cannot remove 'data': No such file or directory
bandit12@bandit:/tmp/prabha$ ls
data5.bin  data.txt
bandit12@bandit:/tmp/prabha$ rm data.txt
bandit12@bandit:/tmp/prabha$ ls
data5.bin
bandit12@bandit:/tmp/prabha$ file data5.bin
data5.bin: POSIX tar archive (GNU)
bandit12@bandit:/tmp/prabha$ mv data5.bin data.tar
bandit12@bandit:/tmp/prabha$ tar xf data.tar
bandit12@bandit:/tmp/prabha$ ls
data6.bin  data.tar
bandit12@bandit:/tmp/prabha$ file data6.bin
data6.bin: bzip2 compressed data, block size = 900k
bandit12@bandit:/tmp/prabha$ mv data6.bin data.bz2
bandit12@bandit:/tmp/prabha$ bzip2 -d data.bz2
bandit12@bandit:/tmp/prabha$ ls
data  data.tar
bandit12@bandit:/tmp/prabha$ file data
data: POSIX tar archive (GNU)
bandit12@bandit:/tmp/prabha$ mv data data.tar
bandit12@bandit:/tmp/prabha$ ls
data.tar
bandit12@bandit:/tmp/prabha$ tar xf data.tar
bandit12@bandit:/tmp/prabha$ ls
data8.bin  data.tar
bandit12@bandit:/tmp/prabha$ file data8.bin
```



```
bandit12@bandit:/tmp/prabha$ mv data8.bin data.gz
bandit12@bandit:/tmp/prabha$ gzip -d data.gz
bandit12@bandit:/tmp/prabha$ ls
data  data.tar
bandit12@bandit:/tmp/prabha$ file data
data: ASCII text
bandit12@bandit:/tmp/prabha$ cat data
The password is 8ZjyCRiBWFYkneahHwxCv3wb2a10RpYL
```

#Level 13 → Level 14:

Password - 4wcYUJFw0k0XLShlDzztnTBHixU3b3e

```
bandit14@bandit:~$ cat /etc/bandit_pass/bandit14
4wcYUJFw0k0XLShlDzztnTBHixU3b3e
```

#Level 14 → Level 15:

Password - BfMYroe26WYalil77FoDi9qh59eK5xNr

```
bandit14@bandit:~$ cat /etc/bandit_pass/bandit14
4wcYUJFw0k0XLShlDzztnTBHixU3b3e
bandit14@bandit:~$ nc localhost 30000

Wrong! Please enter the correct current password
bandit14@bandit:~$ nc localhost 30000
4wcYUJFw0k0XLShlDzztnTBHixU3b3e
Correct!
BfMYroe26WYalil77FoDi9qh59eK5xNr
```

Thankyou ... 😊