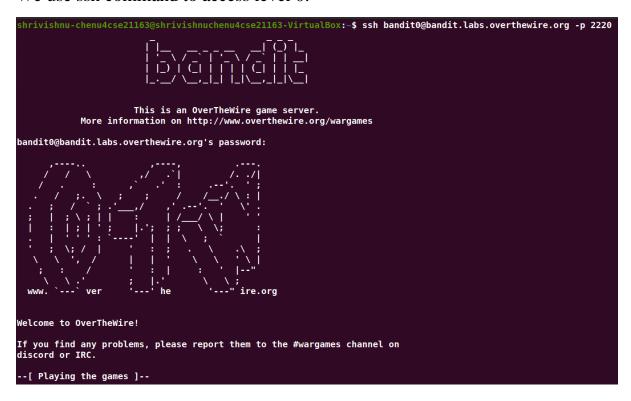
# **TASK 2 [LINUX GAMES]**

SHRIVISHNU A CH.EN.U4CSE21163

## **Accessing Level 0**

We use ssh command to access level 0.



```
-m32
                              compile for 32bit
    -fno-stack-protector
                             disable ProPolice
    -Wl,-z,norelro
                             disable relro
  In addition, the execstack tool can be used to flag the stack as
  executable on ELF binaries.
  Finally, network-access is limited for most levels by a local
  firewall.
--[ Tools ]--
 For your convenience we have installed a few useful tools which you can find
 in the following locations:
    * gef (https://github.com/hugsy/gef) in /opt/gef/
    * pwndbg (https://github.com/pwndbg/pwndbg) in /opt/pwndbg/
    * peda (https://github.com/longld/peda.git) in /opt/peda/
* gdbinit (https://github.com/gdbinit/Gdbinit) in /opt/gdbinit/
    * pwntools (https://github.com/Gallopsled/pwntools)
    * radare2 (http://www.radare.org/)
 Both python2 and python3 are installed.
--[ More information ]--
  For more information regarding individual wargames, visit
  http://www.overthewire.org/wargames/
  For support, questions or comments, contact us on discord or IRC.
  Enjoy your stay!
bandit0@bandit:~$
```

## Level 0 to Level 1

```
bandit0@bandit:~$ ls
readme
bandit0@bandit:~$ cd readme
-bash: cd: readme: Not a directory
bandit0@bandit:~$ cat readme
NH2SXQwcBdpmTEzi3bvBHMM9H66vVXjL
```

The password for the next level is NH2SXQwcBdpmTEzi3bvBHMM9H66vVXjL

## Level 1 to Level 2

```
bandit1@bandit:~$ ls
-
bandit1@bandit:~$ cat < -
rRGizSaX8Mk1RTb1CNQoXTcYZWU6lgzi</pre>
```

The password for the next level is rRGizSaX8Mk1RTb1CNQoXTcYZWU6lgzi

## Level 2 to Level 3

```
bandit2@bandit:~$ ls
spaces in this filename
bandit2@bandit:~$ cat 'spaces in this filename'
aBZ0W5EmUfAf7kHTQeOwd8bauFJ2lAiG
bandit2@bandit:~$
```

The password for the next level is aBZ0W5EmUfAf7kHTQe0wd8bauFJ2lAiG

## Level 3 to Level 4

```
bandit3@bandit:~$ ls
inhere
bandit3@bandit:~$ cd inhere
bandit3@bandit:~/inhere$ ls
bandit3@bandit:~/inhere$ ls -a
. . . . hidden
bandit3@bandit:~/inhere$ cat .hidden
2EW7BBsr6aMMoJ2HjW067dm8EgX26xNe
bandit3@bandit:~/inhere$
```

The password for the next level is 2EW7BBsr6aMMoJ2HjW067dm8EgX26xNe

## Level 4 to Level 5

```
bandit4@bandit:~$ ls
inhere
bandit4@bandit:~$ cd inhere
bandit4@bandit:~/inhere$ file ./-file0*
./-file00: OpenPGP Public Key
./-file01: data
./-file02: data
./-file03: data
./-file04: data
./-file05: data
./-file06: data
./-file07: ASCII text
./-file08: data
./-file09: data
bandit4@bandit:~/inhere$ cat ./-file07
lrIWWI6bB37kxfiCQZqUd0IYfr6eEeqR
bandit4@bandit:~/inhere$
```

The password for the next level is lrIWWI6bB37kxfiCQZqUdOIYfr6eEeqR

## Level 5 to Level 6

```
bandit5@bandit:~$ cd inhere
bandit5@bandit:~/inhere$ ls
maybehere00 maybehere04 maybehere08 maybehere12 maybehere16
                         maybehere09 maybehere13 maybehere17
maybehere01 maybehere05
maybehere02 maybehere06 maybehere10 maybehere14 maybehere18
maybehere03 maybehere07 maybehere11 maybehere15 maybehere19
bandit5@bandit:~/inhere$ find -type f -size 1033c ! -executable
./maybehere07/.file2
./maybehere07/.file2
-bash: ./maybehere07/.file2: Permission denied
bandit5@bandit:~/inhere$ cd maybehere07
bandit5@bandit:~/inhere/maybehere07$ ls
-file1 -file2 -file3 spaces file1 spaces file2 spaces file3
bandit5@bandit:~/inhere/maybehere07$ cat .file2
P4L4vucdmLnm8I7Vl7jG1ApGSfjYKqJU
```

The password for the next level is P4L4vucdmLnm8I7VI7jG1ApGSfjYKqJU

## Level 6 to Level 7

```
bandit6@bandit:~$ find / -user bandit7 -group bandit6 -size 33c 2>&1 | grep -F
-v Permission | grep -F -v directory
/var/lib/dpkg/info/bandit7.password
bandit6@bandit:~$ cat /var/lib/dpkg/info/bandit7.password
z7WtoNQU2XfjmMtWA8u5rN4vzqu4v99S
bandit6@bandit:~$
```

The password for the next level is z7WtoNQU2XfjmMtWA8u5rN4vzqu4v99S

## Level 7 to Level 8

```
4LIUlWq5IxHDvPmZiqlKLWib1W1uolqp
scabies's
barber OUJ8SYbjoIASJ4vwfX3TpbTuL1rERwMT
certitude
                4HJYxK0TZuswyxHzYoDqfISthys2emPm
       ETr7K4q09Zq4IiiCTRUzUePcH236s6FT
punt's
                K6H2o7EbY5N7NI8ccfPXtM0zNAC5BYxC
portrayed
governorship
                rijZYefUnjZWhppZVhnPMLEltdXJ92BD
        UxymMbHC4razqjrFCzQujqWs6M15Smcd
Arab
                ZhXPrBHFzxV12ISYbgMX2w6rlnLU4ep8
bluffest
steam's WxyX3phGx3cPU9T0GUvtmnFmFEQtqMf9
        tbzupEMQ13eagzaYnpddzawMXvakbKAL
works
tenser
        DhAcJssgc1C3CtgytSytkcptwuRx40lZ
compatible
                hZpBYqoiHWwyy6q57in4CtXISP2a5Q4S
        2dhr2KY9Dk08nkgQBqmypb41YHA6pDbX
Freon
                yxJS10Kyz2fU7sKtP2gR9YNIKTKf9754
sociables
                4B6orPD7mbqYvRI4xjm5Dke9EJ4fuPlm
trophy's
removes pwix1fbzX1f7tNNrfqwMZqx9IiM891Rj
critically
                GQaWLRneBYoEpishazb4T455svysfwar
legerdemain's
                QGgM6Kbg1XFYdrwIsHtZQW0KgMThyhyk
                BC2HELCHXjQFHY3Q7ri204EeYC7bvXrK
rebuilds
haywire's
                HyRSR10U7LTRaUqfdESisLx1QvlpAC3q
                KqtL4NhJ0NUsSPohSALoawSsmxDFr9dQ
acrobatic
bandit7@bandit:~$ cat data.txt | grep millionth
                TESKZCOXvTetK0S9xNwm25STk5iWrBvP
bandit7@bandit:~$
```

The password for the next level is TESKZC0XvTetK0S9xNwm25STk5iWrBvP

#### Level 8 to Level 9

```
mzCnXrbqm8QdgjRP1A12isJwyCZ0uTJn
i6t6LYg1JArHP57SS8532uSDt6HRA9Ln
Z8ncb64yvxMpYu6kyuRadwjouYpkMLPN
f0hFsyegU2D3zLrex0WI90sw2DlNYIlj
ryM64LqAra2XBhstdzbLWfUS26Xa9o6C
wN85lAbx5wkDs0IfVpbI1dSUSgY16Qml
6hXvdZamDJFnfKX808UZPVjZpjegeg6M
DHMhiE3MDZYEncOWimJaGxkVfAejqL1c
AyLowHutWTI3WLR37pvKFBdxrk0GDuux
jBN1cLA8VHLIWyD7rsg1WULYyDvnMoyA
vCV4xQA9BY6D78vlljAq3SEFY7mGeLJd
tnhOGCM27V5AoOMflWhsZM1EFc8DZe3x
QrMLTTEu3KGuydS2w9FLTTLzuRldf6f6
oUHk3VaGVlNeB52K6cV03vEPAjMDshRR
UPmZTd6oJGLWmYM1dRXqWEKEX4GEs10M
7HNLPWyymsBFNjZJVPRro4zPh2p1imsN
68qUzJZLu0Iw5a6iPi2CVsxlP6l0wgaS
TuYdzYVx3Z5ue4jRa0qX301qf8Y1M97I
RpOwfRgvra5ZOobMMG0FzLaJLN0Ug8IS
HgxUEnCqSABq86q6oEXA0cTCRkdXaRGB
XCAk2n2alytIxQABvtUUjqAL4I4Cchdm
bandit8@bandit:~$ cat data.txt | sort | uniq -c -u
      1 EN632PlfYiZbn3PhVK3X0GSlNInNE00t
bandit8@bandit:~$
```

The password for the next level is EN632PlfYiZbn3PhVK3XOGSlNInNE00t

## Level 9 to Level 10

The password for the next level is G7w8LIi6J3kTb8A7j9LgrywtEUlyyp6s

## Level 10 to Level 11

```
bandit10@bandit:~$ ls
data.txt
bandit10@bandit:~$ cat data.txt
VGhlIHBhc3N3b3JkIGlzIDZ6UGV6aUxkUjJSS05kTllGTmI2blZDS3pwaGxYSEJNCg==
bandit10@bandit:~$ cat data.txt | base64 --decode
The password is 6zPeziLdR2RKNdNYFNb6nVCKzphlXHBM
bandit10@bandit:~$
```

The password for the next level is

6zPeziLdR2RKNdNYFNb6nVCKzphlXHBM

## Level 11 to Level 12

```
bandit11@bandit:~$ ls
data.txt
bandit11@bandit:~$ cat data.txt
Gur cnffjbeq vf WIA00SFzMjXXBC0KoSKBbJ8puQm5lIEi
bandit11@bandit:~$ cat data.txt | tr a-zA-Z n-za-mN-ZA-M
The password is JVNBBFSmZwKKOP0XbFXOoW8chDz5yVRv
bandit11@bandit:~$
```

The password for the next level is

JVNBBFSmZwKKOP0XbFXOoW8chDz5yVRv

#### Level 12 to Level 13

The password for the next level is wbWdlBxEir4CaE8LaPhauuOo6pwRmrDw

## Level 13 to Level 14

```
bandit14@bandit:~$ ls -a
    .bash_logout .bashrc .profile .ssh
bandit14@bandit:~$ cat /etc/bandit_pass/bandit14
4wcYUJFw0k0XLShlDzztnTBHiqxU3b3e
```

The password for the next level is <a href="mailto:4wcYUJFw0k0XlShlDzztnTBHiqxU3b3e">4wcYUJFw0k0XlShlDzztnTBHiqxU3b3e</a>

## Level 14 to Level 15

```
bandit14@bandit:~$ nc localhost 3000 4wcYUJFw0k0XLShlDzztnTBHiqxU3b3e
bandit14@bandit:~$ nc localhos 3000
localhos: forward host lookup failed: No address associated with name
bandit14@bandit:~$ nc localhost 3000 4wcYUJFw0k0XLShlDzztnTBHiqxU3b3e
bandit14@bandit:~$ nc localhost 30000 4wcYUJFw0k0XLShlDzztnTBHiqxU3b3e
Wrong! Please enter the correct current password
bandit14@bandit:~$ nc localhost 30000 4wcYUJFw0k0XLShlDzztnTBHiqxU3b3e
4wcYUJFw0k0XLShlDzztnTBHiqxU3b3e
Correct!
BfMYroe26WYalil77FoDi9qh59eK5xNr
```

The password for the next level is BfMYroe26WYalil77FoDi9qh59eK5xNr