



COGNIZANCE

TASK 7

M. LAKSHMI SRAVYA

ROLL NO - 21035

TASK - 7

- Read the instructions given in the OverTheWire website properly and then find whatever is needed to proceed to next levels. You have to complete upto **level 15**. Submit us a **PROPER PDF** document of the passwords you found along with the screenshots of the passwords.

PASSWORDS

- 0) bandit0
- 1)boJ9jbbUNNfktd7800psq0ltutMc3MY1
- 2)CV1DtqXWVFXTvM2F0K09SHz0YwRINYA9
- 3) UmHadQclWmgdLOKQ3YNgJWxGoRMb5luK
- 4)plwrPrtPN36QITSp3EQaw936yaFoFgAB
- 5)koReBOKuIDDepwhWk7jZC0RTdopnAYKh
- 6)DXjZPULLxYr17uwol01bNLQbtFemEgo7
- 7)HKBPTKQnlay4Fw76bEy8PVxKEDQRKTzs
- 8)cvX2JJJa4CFALtqS87jk27qwqGhBM9plv
- 9)UsvVyFSfZZWbi6wgC7dAFyFuR6jQQUhr
- 10)truKLdjsbJ5g7yyJZXZR0o3a5HQJFuLk
- 11)IFukwKGsFW8MOq3IRFqrxE1hxTNEbUPR
- 12)5Te8Y4drgCRfCx8ugdwuEX8KFC6k2EUu
- 13)8ZjyCRiBWFYkneahHwxCv3wb2ai0RpYL
- 14)ssh -I sshkey.private bandit14@localhost
- 15) BfMYroe26WYalil77FoDi9qh59ek5xNr
- 16) cluFn7wTiGryunymYOu4RcffSxQluehd

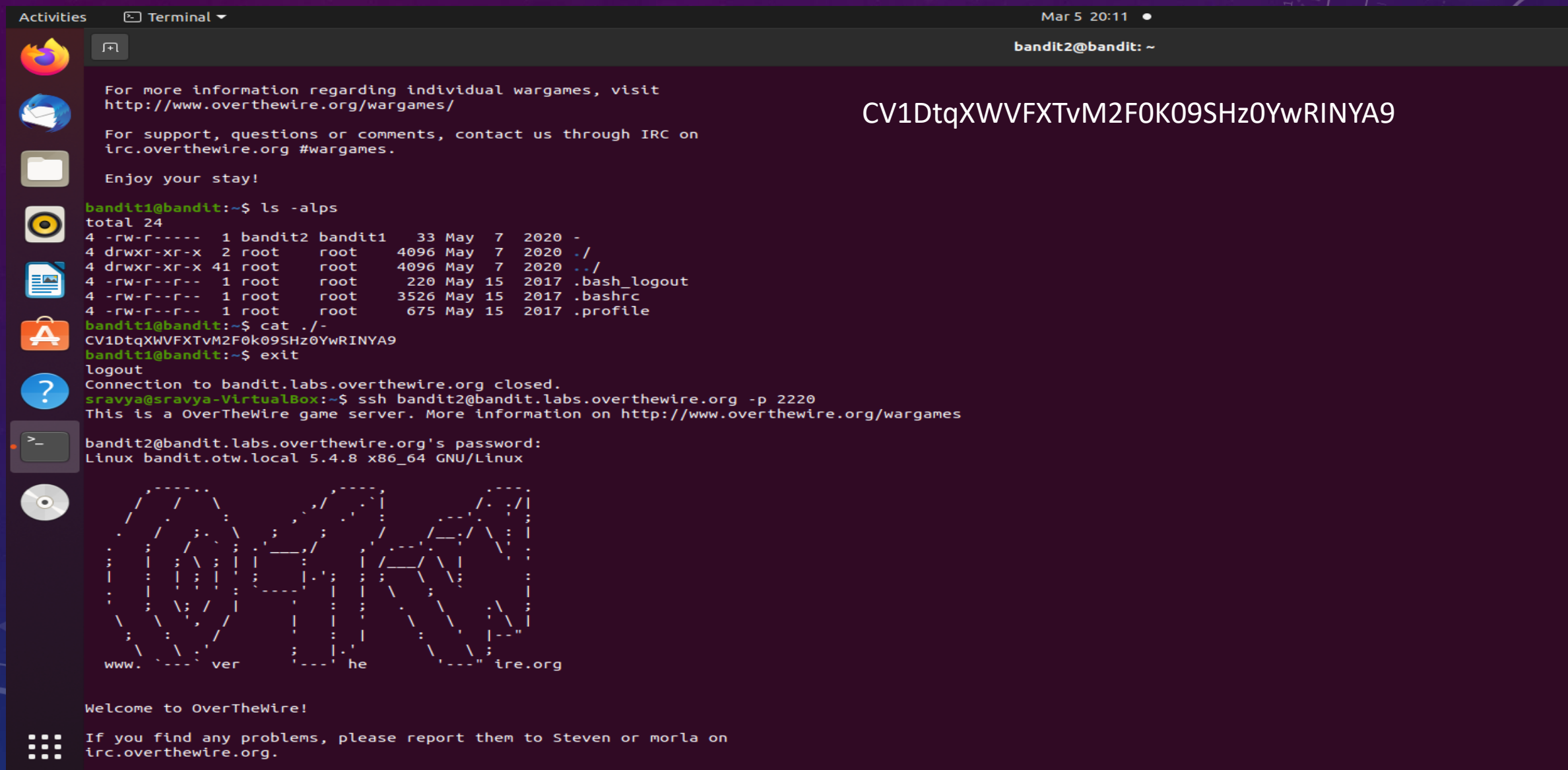
USED THE PASSWORD BANDITO TO ENTER LEVEL 0

A screenshot of a terminal window on a Linux system. The terminal shows a user named 'sravya' at a 'VirtualBox' prompt, running an SSH command to connect to 'bandit0@bandit.labs.overthewire.org' on port 2220. The connection is successful, and the user is greeted by the 'bandit0' banner, which includes ASCII art of the word 'OVER' and the URL 'www.overthewire.org'. Below the banner, a 'Welcome to OverTheWire!' message is displayed, along with instructions on how to report problems and a list of rules for playing the games. The terminal window has a dark background and a sidebar on the left with various application icons. The top of the window shows the system date and time as 'Mar 5 20:08'.

bandit0

[illegible]

boJ9jbbUNNfktd7800psq0ltutMc3MY1



USED PASSWORD IN THE FILE 'SPACES IN THE FILENAME' IN LEVEL 2 TO LOG IN TO LEVEL 3

```
Activities Terminal Mar 5 20:13 bandit3@bandit: ~

http://www.overthewire.org/wargames/

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

Enjoy your stay!

bandit2@bandit:~$ ls-alps
-bash: ls-alps: command not found
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
UmHadQclWmgdLOKQ3YNgJWxGoRMb5luK
bandit2@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
sravya@sravya-VirtualBox:~$ ssh bandit3@bandit.labs.overthewire.org -p 2220
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames

bandit3@bandit.labs.overthewire.org's password:
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux

  Oo4n
www. ver he " ire.org

Welcome to OverTheWire!

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

UmHadQclWmgdLOKQ3YNgJWxGoRMb5luK

FOUND THE NEXT PASSWORD IN THE FILE .HIDDEN IN THE DIRECTORY 'INHERE' IN LEVEL 3 AND USED IT TO UNLOCK LEVEL 4

```
Activities Terminal Mar 5 20:16 bandit4@bandit: ~

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

Enjoy your stay!

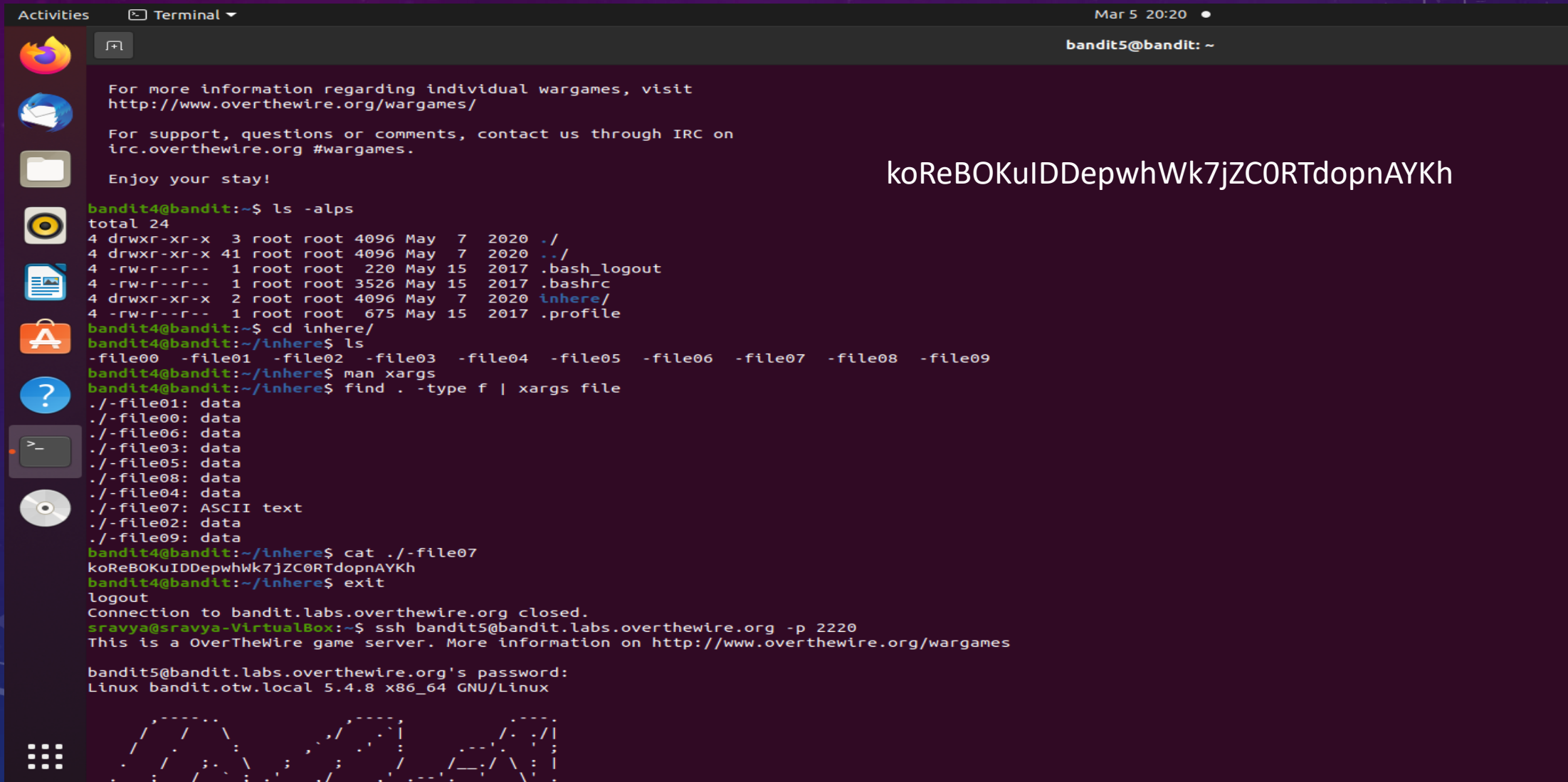
bandit3@bandit:~$ ls -alps
total 24
4 drwxr-xr-x 3 root root 4096 May 7 2020 ./
4 drwxr-xr-x 41 root root 4096 May 7 2020 ../
4 -rw-r--r-- 1 root root 220 May 15 2017 .bash_logout
4 -rw-r--r-- 1 root root 3526 May 15 2017 .bashrc
4 drwxr-xr-x 2 root root 4096 May 7 2020 inhere/
4 -rw-r--r-- 1 root root 675 May 15 2017 .profile
bandit3@bandit:~$ cd inhere/
bandit3@bandit:~/inhere$ ls -al
total 12
drwxr-xr-x 2 root root 4096 May 7 2020 .
drwxr-xr-x 3 root root 4096 May 7 2020 ..
-rw-r----- 1 bandit4 bandit3 33 May 7 2020 .hidden
bandit3@bandit:~/inhere$ cat .hidden
pIwrPrtPN36QITSp3EQaw936yaFoFgAB
bandit3@bandit:~/inhere$ exit
logout
Connection to bandit.labs.overthewire.org closed.
sravya@sravya-VirtualBox:~$ ssh bandit4@bandit.labs.overthewire.org -p 2220
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames

bandit4@bandit.labs.overthewire.org's password:
Permission denied, please try again.
bandit4@bandit.labs.overthewire.org's password:
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux

www. ver he ire.org
```

plwrPrtPN36QITSp3EQaw936yaFoFgAB

FOUND THE NEXT PASSWORD IN THE FILE './-FILE07' IN THE DIRECTORY 'INHERE' IN LEVEL 4 AND USED IT TO UNLOCK LEVEL 5. USED THE COMMAND FIND TO FIND NARROW DOWN THE FILES .



The screenshot shows a terminal window with the following content:

```
Activities Terminal Mar 5 20:20 bandit5@bandit: ~

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.

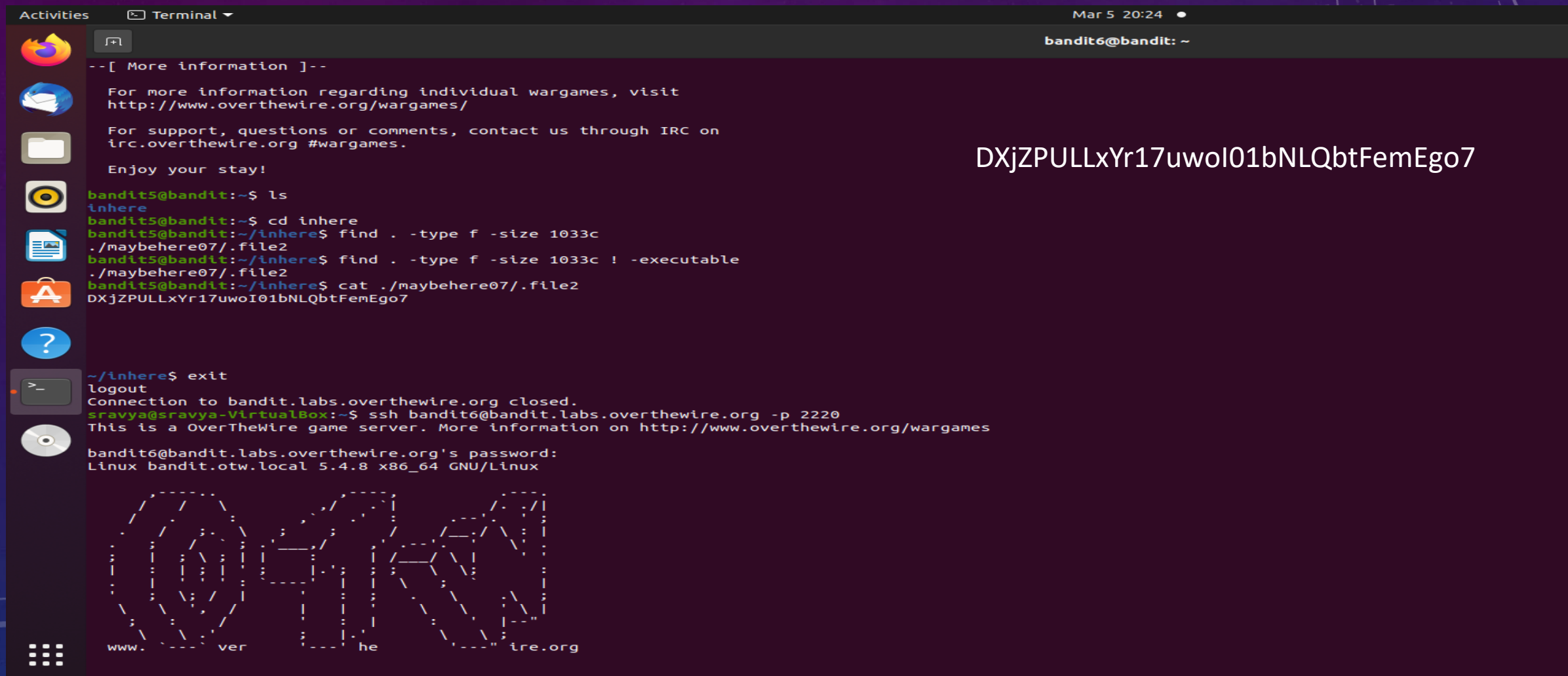
Enjoy your stay!

bandit4@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
bandit4@bandit:~$ cd inhere/
bandit4@bandit:~/inhere$ ls
-file00 -file01 -file02 -file03 -file04 -file05 -file06 -file07 -file08 -file09
bandit4@bandit:~/inhere$ man xargs
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
bandit4@bandit:~/inhere$ exit
logout
Connection to bandit.labs.overthewire.org closed.
sravya@sravya-VirtualBox:~$ ssh bandit5@bandit.labs.overthewire.org -p 2220
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames

bandit5@bandit.labs.overthewire.org's password:
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux
```

koReBOKuIDDepwhWk7jZC0RTdopnAYKh

FOUND THE NEXT PASSWORD IN THE FILE './MAYBEHERE07/.FILE2' IN THE DIRECTORY 'INHERE'. USED 'FIND' THE GIVEN CONDITIONS TO NARROW DOWN THE FILES. USED THIS PASSWORD IN LEVEL 5 TO UNLOCK THE LEVEL 6



The image shows a terminal window titled 'Terminal' with a dark theme. The window displays the output of a series of commands executed in a wargame environment. The user starts at the 'bandit5@bandit:~' prompt, lists files in the 'inhere' directory, and then uses the 'find' command to locate a file named './maybehere07/.file2'. The file's contents are displayed as the password 'DXjZPULLxYr17uwoI01bNLQbtFemEgo7'. The user then exits the terminal and connects to the next level, 'bandit6@bandit.labs.overthewire.org', using the password found. The terminal window also shows a sidebar with various application icons and a system clock in the top right corner.

```
Activities Terminal Mar 5 20:24 bandit6@bandit: ~
--[ 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!

bandit5@bandit:~$ ls
inhere
bandit5@bandit:~$ cd inhere
bandit5@bandit:~/inhere$ find . -type f -size 1033c
./maybehere07/.file2
bandit5@bandit:~/inhere$ find . -type f -size 1033c ! -executable
./maybehere07/.file2
bandit5@bandit:~/inhere$ cat ./maybehere07/.file2
DXjZPULLxYr17uwoI01bNLQbtFemEgo7

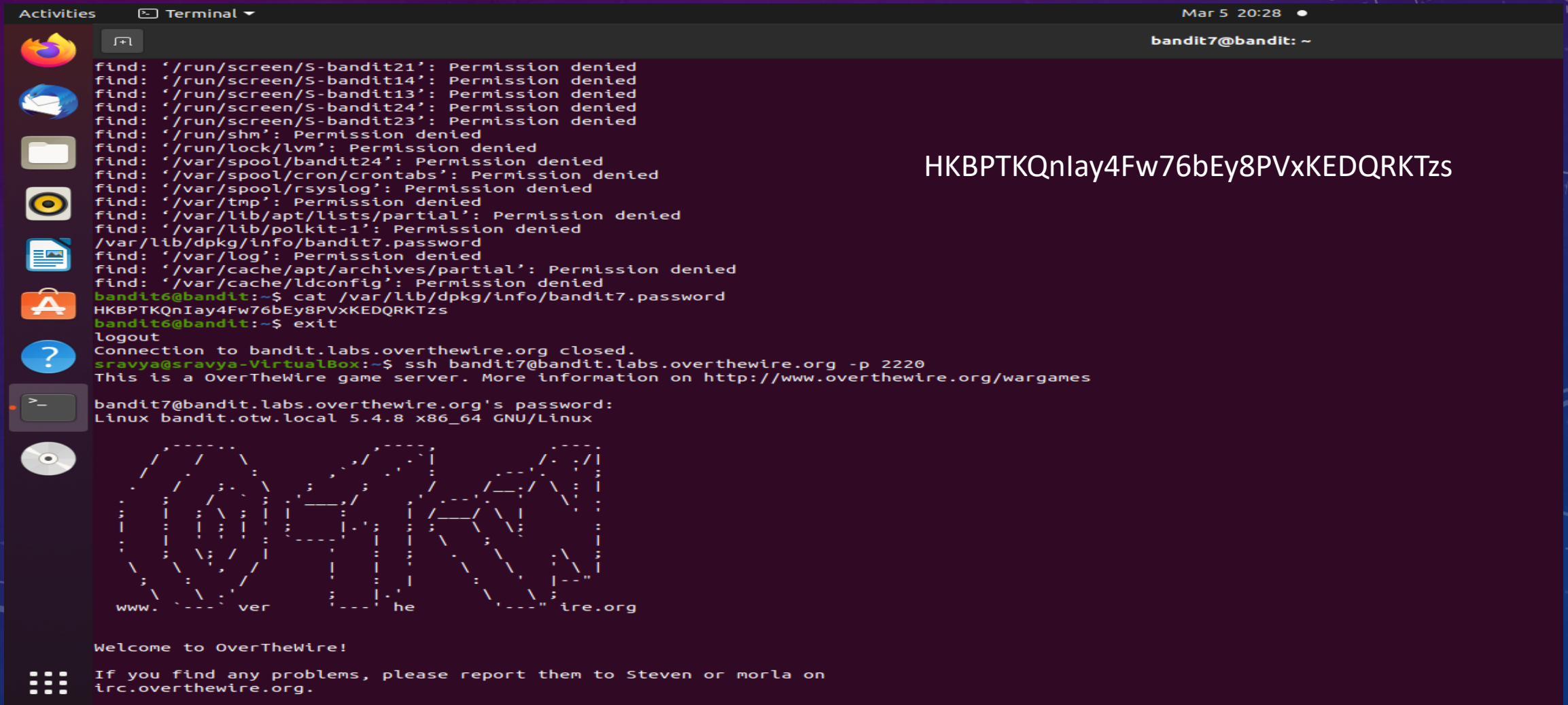
~/inhere$ exit
logout
Connection to bandit.labs.overthewire.org closed.
sravya@sravya-VirtualBox:~$ ssh bandit6@bandit.labs.overthewire.org -p 2220
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames

bandit6@bandit.labs.overthewire.org's password:
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux

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```

FOUND THE NEXT PASSWORD IN THE FILE
'/VAR/LIB/DPKG/INFO/BANDIT7.PASSWORD' AND USED THIS TO UNLOCK THE
LEVEL 7. USED FIND COMMAND WITH THE GIVEN CONDITIONS

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



The screenshot shows a terminal window with the following content:

```
Activities Terminal Mar 5 20:28 bandit7@bandit: ~  
find: '/run/screen/S-bandit21': Permission denied  
find: '/run/screen/S-bandit14': Permission denied  
find: '/run/screen/S-bandit13': Permission denied  
find: '/run/screen/S-bandit24': Permission denied  
find: '/run/screen/S-bandit23': Permission denied  
find: '/run/shm': Permission denied  
find: '/run/lock/lvm': Permission denied  
find: '/var/spool/bandit24': Permission denied  
find: '/var/spool/cron/crontabs': Permission denied  
find: '/var/spool/rsyslog': Permission denied  
find: '/var/tmp': Permission denied  
find: '/var/lib/apt/lists/partial': Permission denied  
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:~$ cat /var/lib/dpkg/info/bandit7.password  
HKBPTKQnIay4Fw76bEy8PVxKEDQRKTzs  
bandit6@bandit:~$ exit  
logout  
Connection to bandit.labs.overthewire.org closed.  
sravya@sravya-VirtualBox:~$ ssh bandit7@bandit.labs.overthewire.org -p 2220  
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames  
  
bandit7@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.
```

HKBPTKQnIay4Fw76bEy8PVxKEDQRKTzs

FOUND THE NEXT PASSWORD IN NEXT TO WORD 'MILLIONTH' IN THE FILE DATA.TXT USED STRINGS AND GREP COMMAND. USED THIS PASSWORD IN LEVEL 7 TO UNLOCK LEVEL 8

cvX2JJJa4CFAltqS87jk27qwqGhBM9plv

```
Activities  Terminal  Mar 5 20:38  bandit8@bandit: ~
Benny's QQkZrDiFs47KckVLI5ifsFqtLcRxyjvZ
regulated sxJ8HT73fvZMMIicL50nhawcrsYGUIwP
knotting vh268WJXw10Snszed9MVaHD4rTP69LZr
hymnals 7MqsN32lfDbPigtAX6cwFbMZcPAMUoae
Fremont tcy02wC8xdpFqjLZ8xdBQYAHFZPHk7ls
punter's zAfzaA1IOuBSamCR6eMmRoc9oNXPQ16a
junking 6Tlr5K8YZ1d2Xsdu3TTFYXWB6WOMXyT
Aymara zSeUS0UyD8Q6a6YPwaClRBbk1x8kFBEC
waned gL59r6xvewh5y8t0mgiNtHtCUMG8S6Id
conceded TWLUptX3HbwD4qsYQ09sENOn0iNy79sC
kilned kLjrgoJvftIyUyotuOI4cxFcxQXbc6aS
Santayana KKn1I4fuWdzKyvffp1aYrBDzQa3Tr3Pk
Antigua dRyNiegAg00kCgrKVQFXMXS06vFARL55
heyday UAGwMlFzylGa4fHpQZEelUQEZ5JlUpyX
praiseworthiness's bJR80uGXM4dH7ip9hHB3mbFBMMwLNKNq
separatism p2167YTCJseAv4YhLZNB2fs7JivLDLUW
plan PLz4ZXwX02fEe4oMd1I78wQXL4MIMxTf
confrontation KLHScgMgzyBQYxBXkxsjKcQ2A5erDIjL
briquet's aHc51xHj1t3ANF7jH26dd7mHWBfd8VKz
encapsulate STOVYQEMWtFz54JtjJRrhDXgZcfVw8LS
wildfowls PqcMofjmKj8NBvO9exdu7FY2NG6WUMzb
Finland xgXsIYgqUCMrIMoT7W2dSwTG1DCvbRvU
bandit7@bandit:~$ strings data.txt | grep "millionth"
millionth cvX2JJJa4CFAltqS87jk27qwqGhBM9plV
bandit7@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
srravya@srravya-VirtualBox:~$ ssh bandit8@bandit.labs.overthewire.org -p 2220
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames

bandit8@bandit.labs.overthewire.org's password:
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux
```

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FOUND THE NEXT PASSWORD IN THE FILE DATA.TXT AND USED IT TO UNLOCK LEVEL 9. USED THE COMMANDS SORT TO FIND THE UNIQUE ONE.

```
bandit8@bandit:~$ sort data.txt | uniq -c
10 tVW9iY1Ml0uHPK4usZnN8oZXbjRt2ATY
10 U0NYdD3wHZKpfEg9qGQOLJlmAJy6qxhS
10 UASW6CQwD6MRzfTu6FAfyXBK0cVvnBLP
10 UJlCNVDNfGb3fcCj8PjjnAXHqUM63UyJ
10 UjsVbcqKeJqdCZQCDMkzv6A9X7hLbNE4
1  UsvVyFSfZZWbi6wgC7dAFyFuR6jQQUhR
10 UVnZvhiVQECraz5jl8U14sMVZQhjuXia
10 V2d9umHluPLYLIDsuHj0frOEmreCZMaA
10 v9zaxkVAOdIOlITZY2uoCtB1fX2gmly9
10 VkBAEWyiIbVkeURZV5mowIGg6i3m7Be0
10 w4zUWFGTURAAh8lNkS8gH3WK2zowBEKA
10 WBqr9xvf6mYTT5kLcTGCG6jb3ex94xWr
10 wjNwumEX58RUQTrufHMcIWz5Yx10GtTC
10 X1JHOUkrb4KgugMXIzMWWIwvrkeZleTI
10 XyeJdbrUJyGtdGx8cXLQST0pwu5cvpcA
10 yo0HbSe2GM0jJNhrQLxwoPp7ayYEmRKY
10 ySvsTwlMgnUF0n86Fgmn2TNjkS0lrV72
10 Z90C6DQpppreChPhwRJJV9YYTtrxNVc0
10 zdd2ctVveROGeiS2WE3TeLZMeL5jL7iM

bandit8@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
sravya@sravya-VirtualBox:~$ ssh bandit9@bandit.labs.overthewire.org -p 2220
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames

bandit9@bandit.labs.overthewire.org's password:
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux

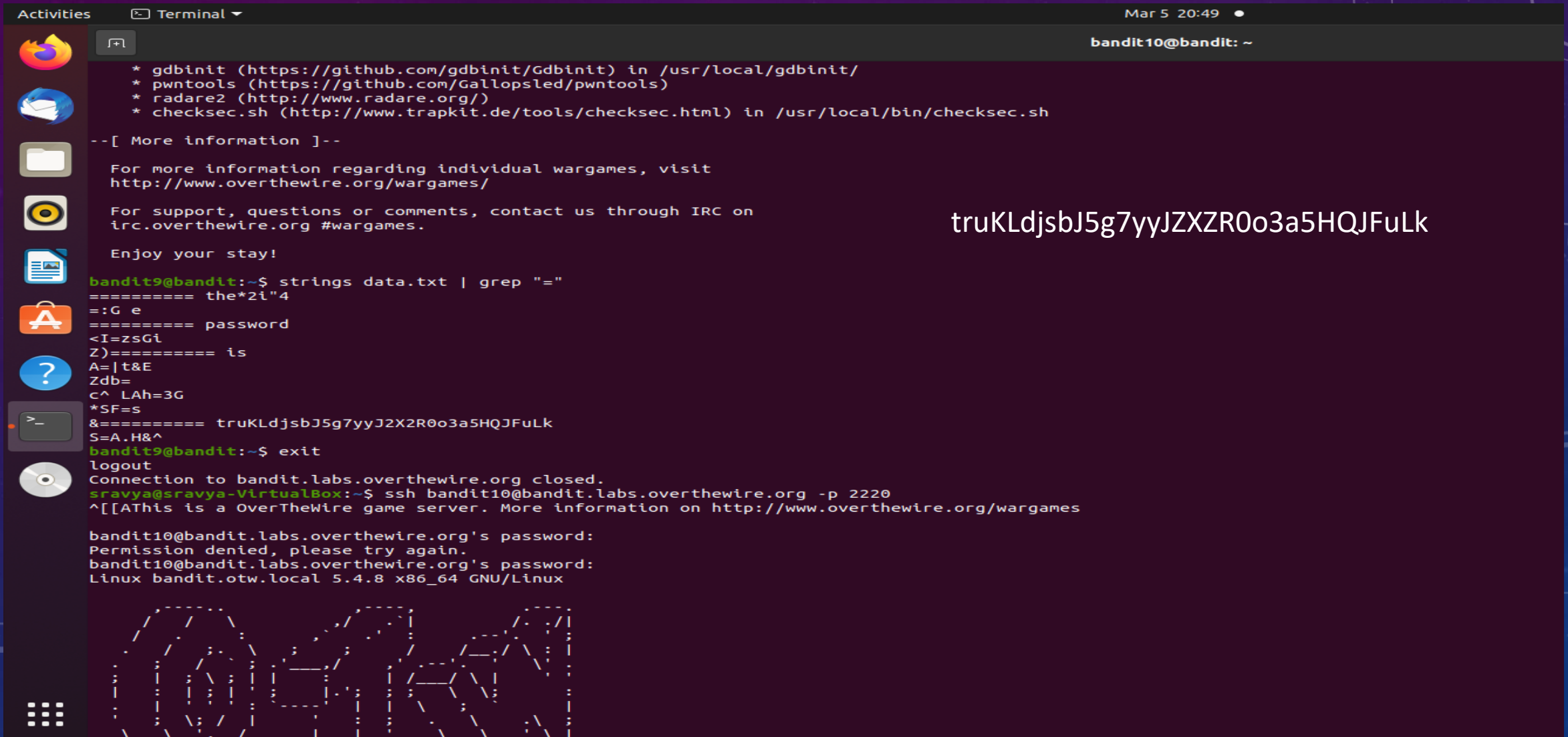
www. ver he ire.org

Welcome to OverTheWire!

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

UsvVyFSfZZWbi6wgC7dAFyFuR6jQQUhR

FOUND THE NEXT PASSWORD IN DATA.TXT AND USED STRINGS AND GREP
COMMAND TO FIND THE PASSWORD. USED THIS PASSWORD IN LEVEL 9 TO
UNLOCK LEVEL 10.



```
Activities Terminal ▾ Mar 5 20:49 ● bandit10@bandit: ~

* 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!

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&^
bandit9@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
sravya@sravya-VirtualBox:~$ ssh bandit10@bandit.labs.overthewire.org -p 2220
^[[Athis is a OverTheWire game server. More information on http://www.overthewire.org/wargames

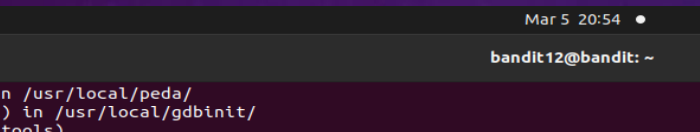
bandit10@bandit.labs.overthewire.org's password:
Permission denied, please try again.
bandit10@bandit.labs.overthewire.org's password:
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux
```

truKLdjsbJ5g7yyJZXZR0o3a5HQJFuLk

FOUND THE NEXT PASSWORD IN DATA.TXT AND USED BASE 24 TO GET THE
DECODE THE PASSWORD. USED THIS PASSWORD IN LEVEL 10 TO UNLOCK LEVEL
11.

```
Activities Terminal Mar 5 20:52 bandit11@bandit: ~
* 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!
bandit10@bandit:~$ cat data.txt
VGhlIHBhc3N3b3JkIGlzIElGdWt3S0dzRlc4TU9xM0lSRnFyeEUxaHhUTkViVVBSCg==
bandit10@bandit:~$ man base64
bandit10@bandit:~$ base64 -d data.txt
The password is IFukwKGsFW8MOq3IRFqrxE1hxTNEbUPR
bandit10@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
sravya@sravya-VirtualBox:~$ ssh bandit11@bandit.labs.overthewire.org -p 2220
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames
bandit11@bandit.labs.overthewire.org's password:
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux
www.OverTheWire.org
Welcome to OverTheWire!
If you find any problems, please report them to Steven or morla on
irc.overthewire.org.
```

WORD IN THE FILE DATA.TXT AND USED THE CONVERTER
. USED THIS PASSWORD TO UNLOCK LEVEL 12.



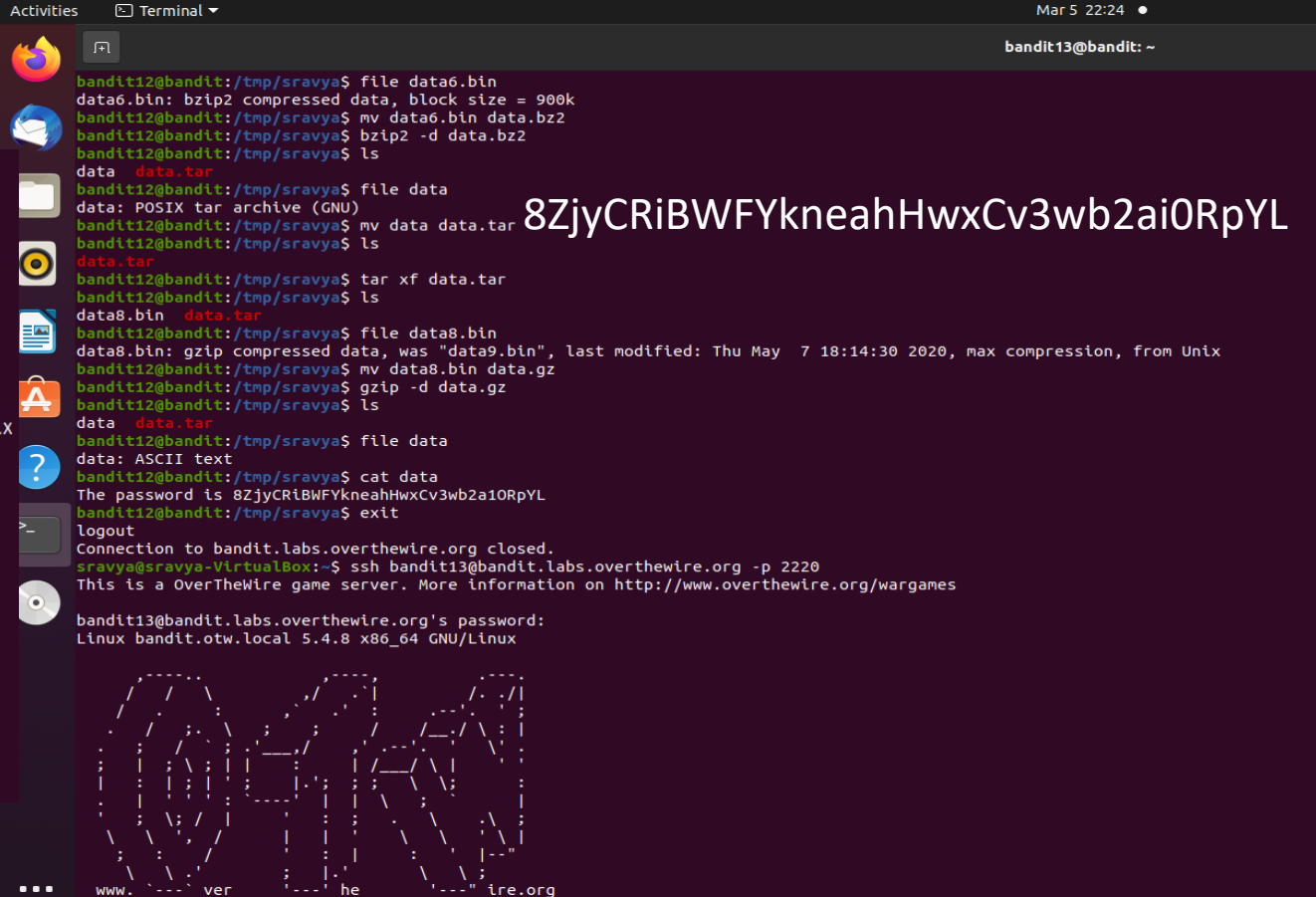
```
bandit12@bandit: ~  
$ cat data.txt  
5Te8Y4drgCRfCx8ugdWuEX8KfC6k2EUu
```

A screenshot of a Linux terminal window. The title bar shows 'Activities', 'Terminal', and the date 'Mar 5 20:54'. The terminal output shows the Bandit challenge setup, including a list of tools (peda, gdbinit, pwntools, radare2, checksec.sh) and a welcome message from OverTheWire. The user 'bandit11' logs in, runs 'cat data.txt' to get a password, and then connects to the Bandit12 challenge via SSH. The terminal shows the SSH connection details, including the host 'bandit12@bandit.labs.overthewire.org' and the password 'Gur cnffjbeq vf 5Gr8L4qetPESPk8htqjhRK8XSP6x2RHh'. The terminal also displays a large ASCII art logo for 'OverTheWire' and a welcome message.

5Te8Y4drgCRfCx8ugdWuEX8KFC6k2EUu

FOUND THE NEXT PASSWORD IN DATA.TXT AND FOUND THE PASSWORD USING THE FOLLOWING COMMANDS. USED THIS PASSWORD TO UNLOCK THE 13 TH LEVEL

```
bandit12@bandit:~$ man xxd
bandit12@bandit:~$ mkdir /tmp/sravya
bandit12@bandit:~$ cp data.txt /tmp/sravya
bandit12@bandit:~$ cd /tmp/sravya
bandit12@bandit:/tmp/sravya$ ls
data.txt
bandit12@bandit:/tmp/sravya$ xxd -r data.txt > data
bandit12@bandit:/tmp/sravya$ ls
data data.txt
bandit12@bandit:/tmp/sravya$ 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/sravya$ man gzip
bandit12@bandit:/tmp/sravya$ mv data f1.gz
bandit12@bandit:/tmp/sravya$ gzip -d f1.gz
bandit12@bandit:/tmp/sravya$ ls
data.txt f1
bandit12@bandit:/tmp/sravya$ file f1
f1: bzip2 compressed data, block size = 900k
bandit12@bandit:/tmp/sravya$ mv f1 f1.bz2
bandit12@bandit:/tmp/sravya$ man bz2
No manual entry for bz2
bandit12@bandit:/tmp/sravya$ man bzip2
bandit12@bandit:/tmp/sravya$
bandit12@bandit:/tmp/sravya$
```

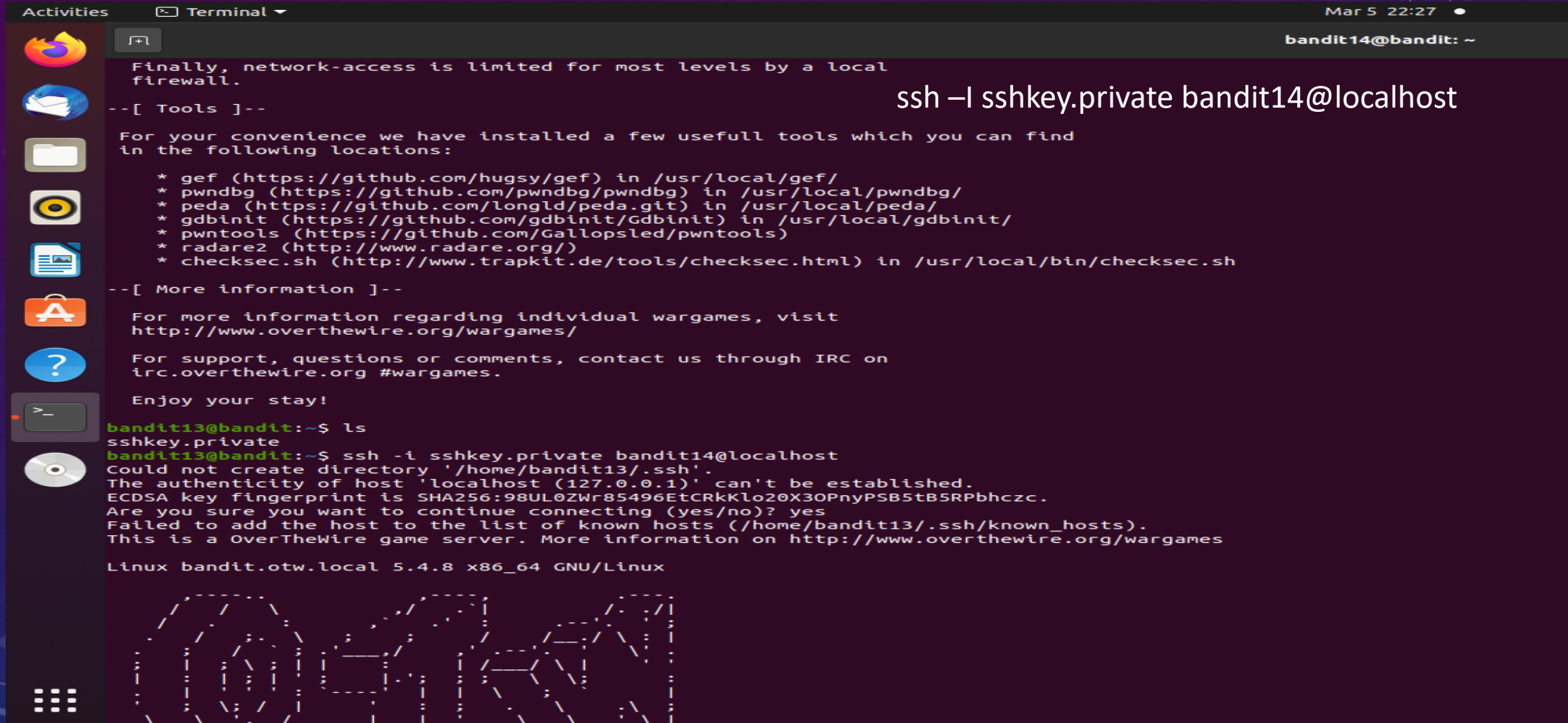


```
Activities Terminal Mar 5 22:24 bandit13@bandit: ~
bandit12@bandit:/tmp/sravya$ file data6.bin
data6.bin: bzip2 compressed data, block size = 900k
bandit12@bandit:/tmp/sravya$ mv data6.bin data.bz2
bandit12@bandit:/tmp/sravya$ bzip2 -d data.bz2
bandit12@bandit:/tmp/sravya$ ls
data data.tar
bandit12@bandit:/tmp/sravya$ file data
data: POSIX tar archive (GNU)
bandit12@bandit:/tmp/sravya$ mv data data.tar
bandit12@bandit:/tmp/sravya$ ls
data.tar
bandit12@bandit:/tmp/sravya$ tar xf data.tar
bandit12@bandit:/tmp/sravya$ ls
data8.bin data.tar
bandit12@bandit:/tmp/sravya$ 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/sravya$ mv data8.bin data.gz
bandit12@bandit:/tmp/sravya$ gzip -d data.gz
bandit12@bandit:/tmp/sravya$ ls
data data.tar
bandit12@bandit:/tmp/sravya$ file data
data: ASCII text
bandit12@bandit:/tmp/sravya$ cat data
The password is 8ZjyCRiBWfYkneahHwxCv3wb2ai0RpYL
bandit12@bandit:/tmp/sravya$ exit
logout
Connection to bandit.labs.overthewire.org closed.
sravya@sravya-VirtualBox:~$ ssh bandit13@bandit.labs.overthewire.org -p 2220
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames

bandit13@bandit.labs.overthewire.org's password:
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux

www. ver he ire.org
```

USED THE PRIVATE SSH KEY TO GO TO LEVEL 14



The screenshot shows a terminal window titled "Terminal" with a dark theme. The window displays the output of a command to access level 14 of the OverTheWire game. The output includes a welcome message, a list of tools installed on the system, and a list of links for more information. The user then runs the command `ssh -i sshkey.private bandit14@localhost`, which results in an error message: "Could not create directory '/home/bandit13/.ssh'". The user then runs the command `ssh -i sshkey.private bandit14@localhost` again, which results in a successful connection to the level 14 server.

```
Activities Terminal Mar 5 22:27 bandit14@bandit: ~  
Finally, network-access is limited for most levels by a local  
firewall.  
--[ Tools ]--  
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!  
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 SHA256:98UL0ZW85496EtCRkKlo20X30PnyPSB5tB5RPbhczc.  
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
```

RETRIEVED THE PASSWORD TO THE NEXT LEVEL BY SUBMITTING THE PASSWORD OF THE CURRENT LEVEL TO THE PORT 30000 ON LOCALHOST AND USED THE OBTAINED PASSWORD TO UNLOCK LEVEL 15

```
Activities Terminal Mar 5 22:42 bandit15@bandit: ~

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!

bandit14@bandit:~$ cat /etc/bandit_pass/bandit14
4wcYUJFw0k0XLSHlDzztnTBHlqxU3b3e
bandit14@bandit:~$ nc localhost 30000
4wcYUJFw0k0XLSHlDzztnTBHlqxU3b3e
Correct!
BfMYroe26WYalil77FoDi9qh59eK5xNr
bandit14@bandit:~$ exit
logout
Connection to localhost closed.
bandit13@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
sravya@sravya-VirtualBox:~$ ssh bandit15@bandit.labs.overthewire.org -p 2220
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames

bandit15@bandit.labs.overthewire.org's password:
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux

  O  T  W  I  R  E
 /  _  _  _  \
|  |  |  |  |
 \  _  _  _  /
  O  T  W  I  R  E

www.OverTheWire.org

Welcome to OverTheWire!

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

BfMYroe26WYalil77FoDi9qh59ek5xNr

UNLOCKED LEVEL 16

```
Activities Terminal Mar 5 22:44 bandit15@bandit:~  
  
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!  
  
bandit15@bandit:~$ cat /etc/bandit_pass/bandit15  
BfMYroe26WVall77FoDl9qH59eK5xNr  
bandit15@bandit:~$ man ncet | grep ssl  
--ssl Connect or listen with SSL  
--ssl-cert Specify SSL certificate file (PEM) for listening  
--ssl-key Specify SSL private key (PEM) for listening  
--ssl-verify Verify trust and domain name of certificates  
--ssl-trustfile PEM file containing trusted SSL certificates  
--ssl-ciphers Cipherlist containing SSL ciphers to use  
  
--ssl (Use SSL)  
--ssl-verify (Verify server certificates)  
In client mode, --ssl-verify is like --ssl except that it also requires verification of the server certificate. Ncat comes with a default set of trusted certificates in the file  
ca-bundle.crt. Some operating systems provide a default list of trusted certificates; these will also be used if available. Use --ssl-trustfile to give a custom list. Use -v one or more  
--ssl-cert certfile.pem (Specify SSL certificate)  
This option gives the location of a PEM-encoded certificate files used to authenticate the server (in listen mode) or the client (in connect mode). Use it in combination with --ssl-key.  
--ssl-key keyfile.pem (Specify SSL private key)  
This option gives the location of the PEM-encoded private key file that goes with the certificate named with --ssl-cert.  
--ssl-trustfile cert.pem (List trusted certificates)  
This option sets a list of certificates that are trusted for purposes of certificate verification. It has no effect unless combined with --ssl-verify. The argument to this option is the  
--ssl-ciphers cipherlist (Specify SSL ciphersuites)  
http://www.openssl.org  
bandit15@bandit:~$ ncet --ssl localhost 30001  
BfMYroe26WVall77FoDl9qH59eK5xNr  
Correct!  
cluFn7wTiGryunymY0u4RcfftSxQluehd
```

```
Activities Terminal Mar 5 23:03 bandit16@bandit:~  
  
--ssl (Use SSL)  
--ssl-verify (Verify server certificates)  
In client mode, --ssl-verify is like --ssl except that it also requires verification of the server certificate. Ncat comes with a default set of trusted certificates in the file  
ca-bundle.crt. Some operating systems provide a default list of trusted certificates; these will also be used if available. Use --ssl-trustfile to give a custom list. Use -v one or more  
--ssl-cert certfile.pem (Specify SSL certificate)  
This option gives the location of a PEM-encoded certificate files used to authenticate the server (in listen mode) or the client (in connect mode). Use it in combination with --ssl-key.  
--ssl-key keyfile.pem (Specify SSL private key)  
This option gives the location of the PEM-encoded private key file that goes with the certificate named with --ssl-cert.  
--ssl-trustfile cert.pem (List trusted certificates)  
This option sets a list of certificates that are trusted for purposes of certificate verification. It has no effect unless combined with --ssl-verify. The argument to this option is the  
--ssl-ciphers cipherlist (Specify SSL ciphersuites)  
http://www.openssl.org  
bandit15@bandit:~$ ncet --ssl localhost 30001  
BfMYroe26WVall77FoDl9qH59eK5xNr  
Correct!  
cluFn7wTiGryunymY0u4RcfftSxQluehd  
  
exit  
^C  
bandit15@bandit:~$ exit  
logout  
Connection to bandit.labs.overthewire.org closed.  
srawya@erayya-VirtualBox:~$ ssh bandit16@bandit.labs.overthewire.org -p 2220  
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames  
  
bandit16@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.
```


THE END
