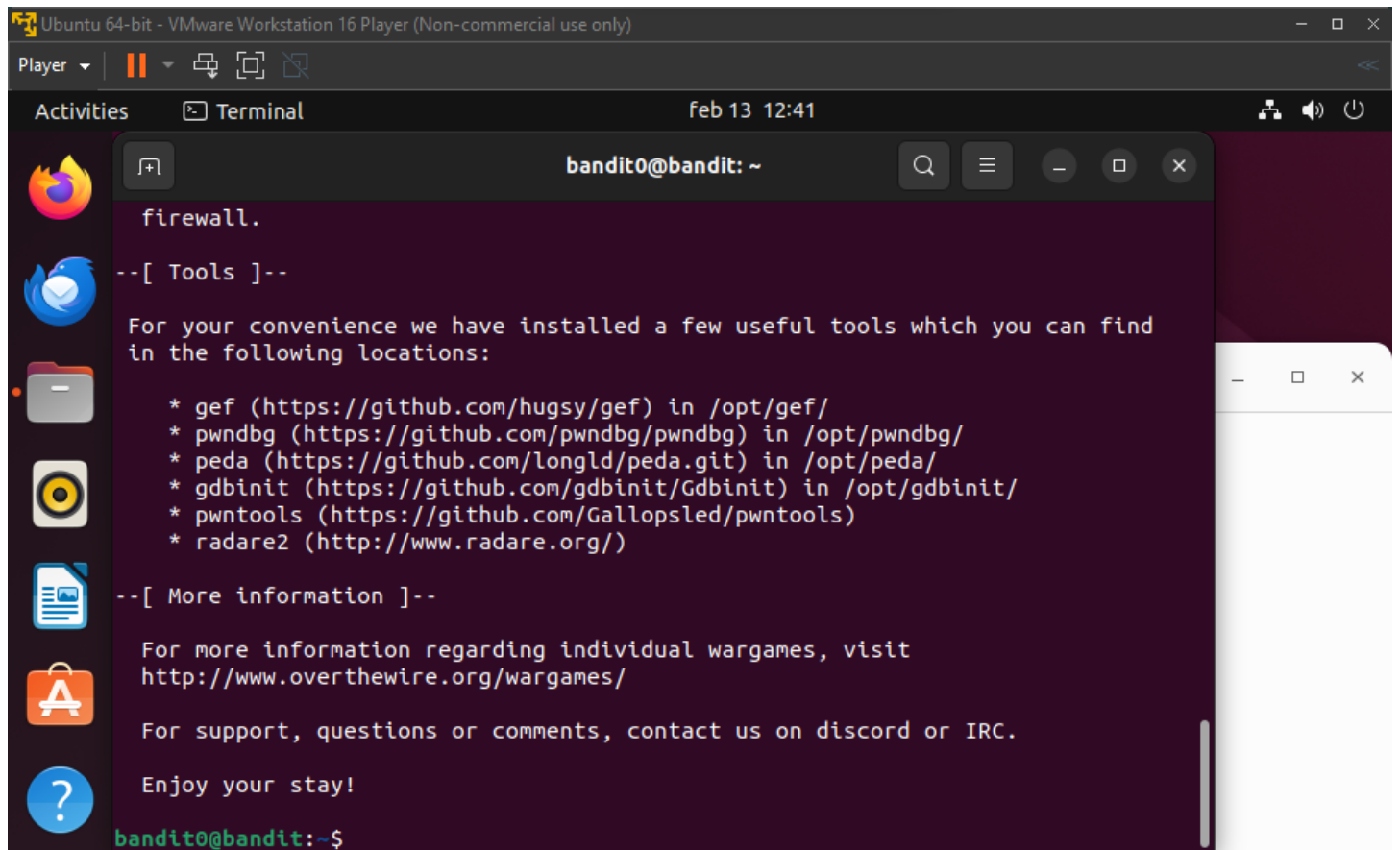


Nivel 0

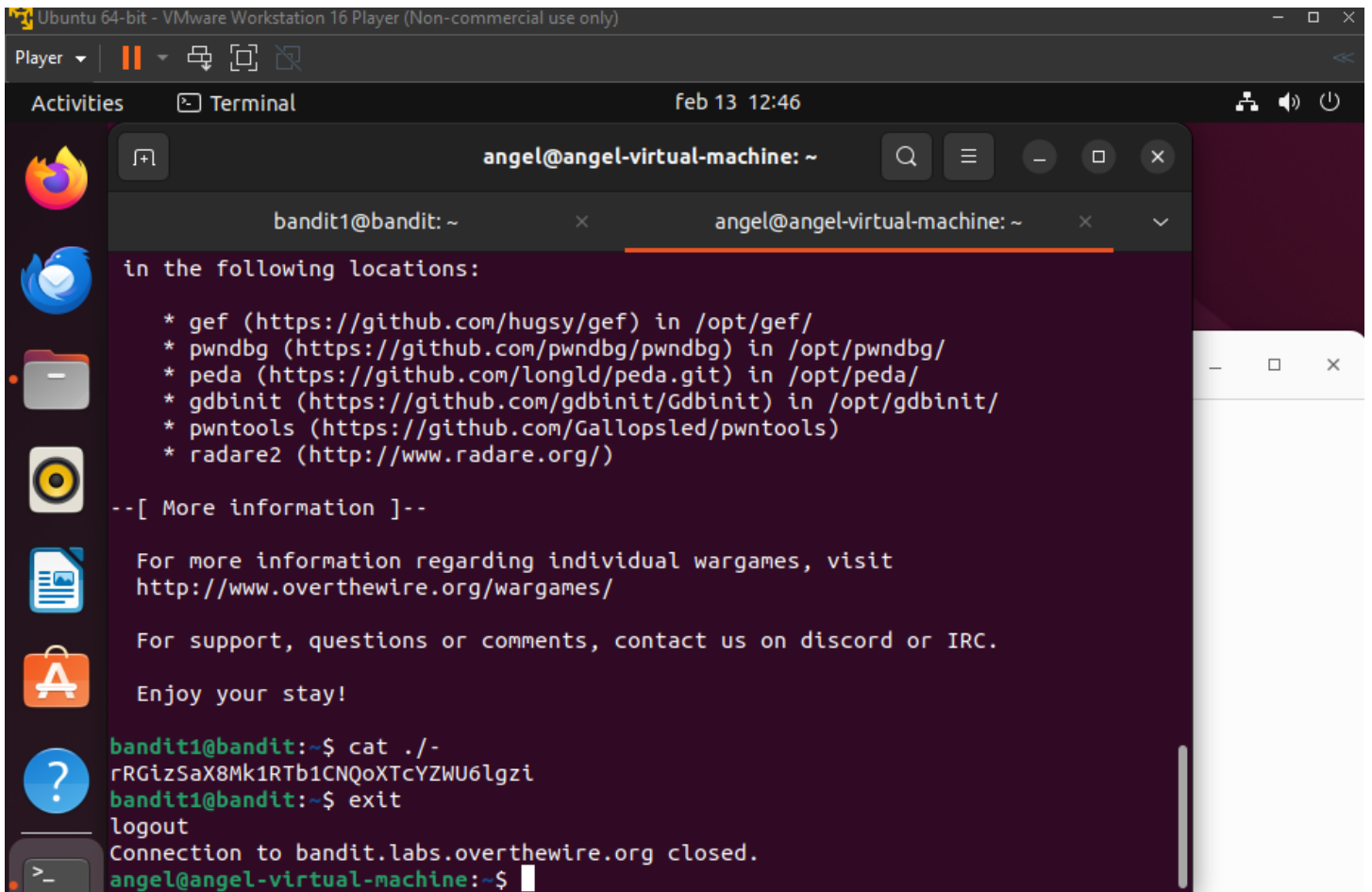


The screenshot shows a terminal window titled 'bandit0@bandit: ~' running on an Ubuntu 64-bit VM. The terminal output displays the following text:

```
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/)  
  
--[ 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:~$
```

Nivel 0->1

NIVEL 1->2



The screenshot shows a terminal window titled 'angel@angel-virtual-machine: ~' within a VMware Workstation 16 Player. The terminal displays the output of a command, likely 'cat ./', which lists several tools and their locations. The text is as follows:

```
bandit1@bandit: ~
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/)

--[ More information ]--

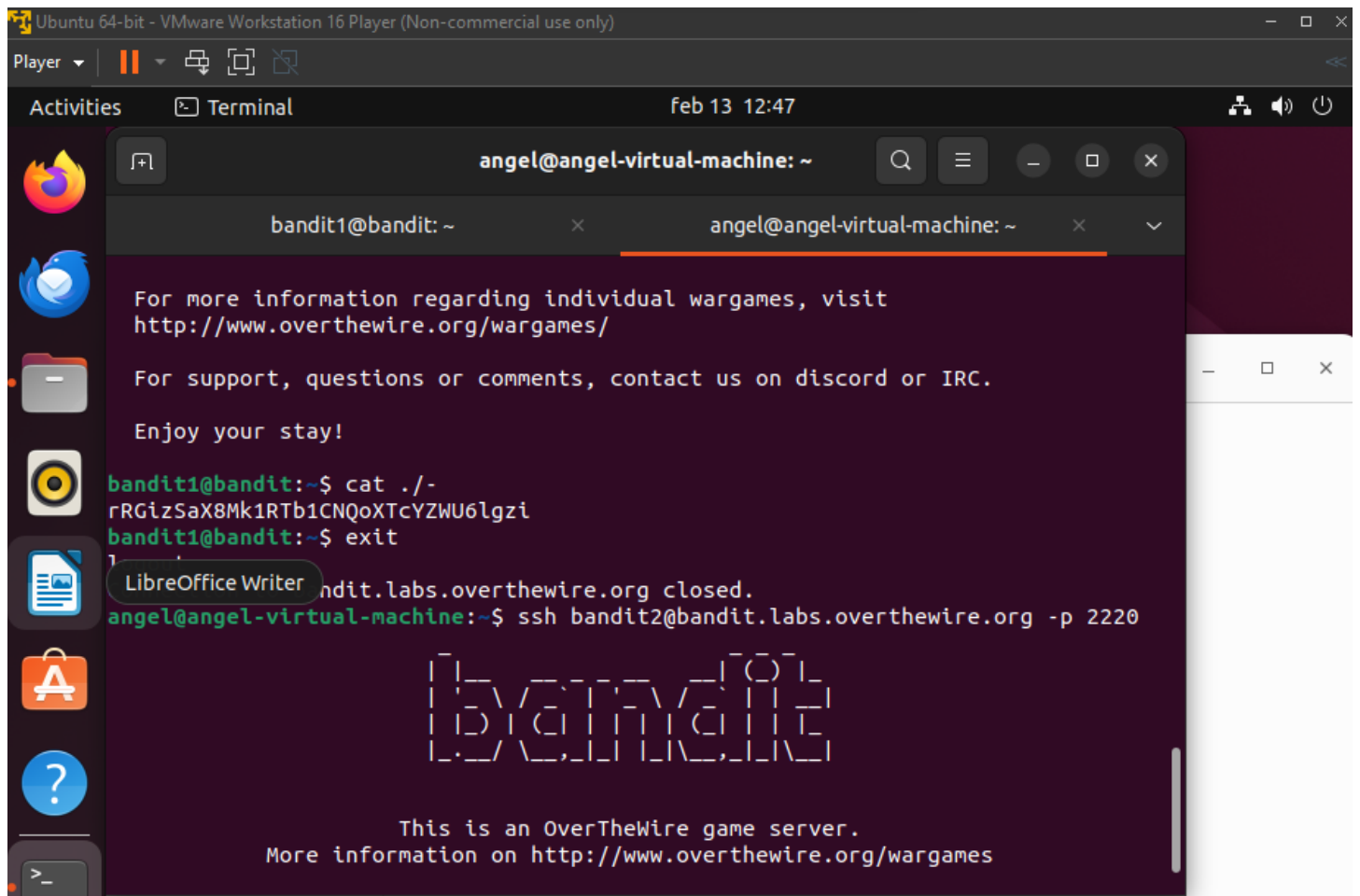
For more information regarding individual wargames, visit
http://www.overthewire.org/wargames/

For support, questions or comments, contact us on discord or IRC.

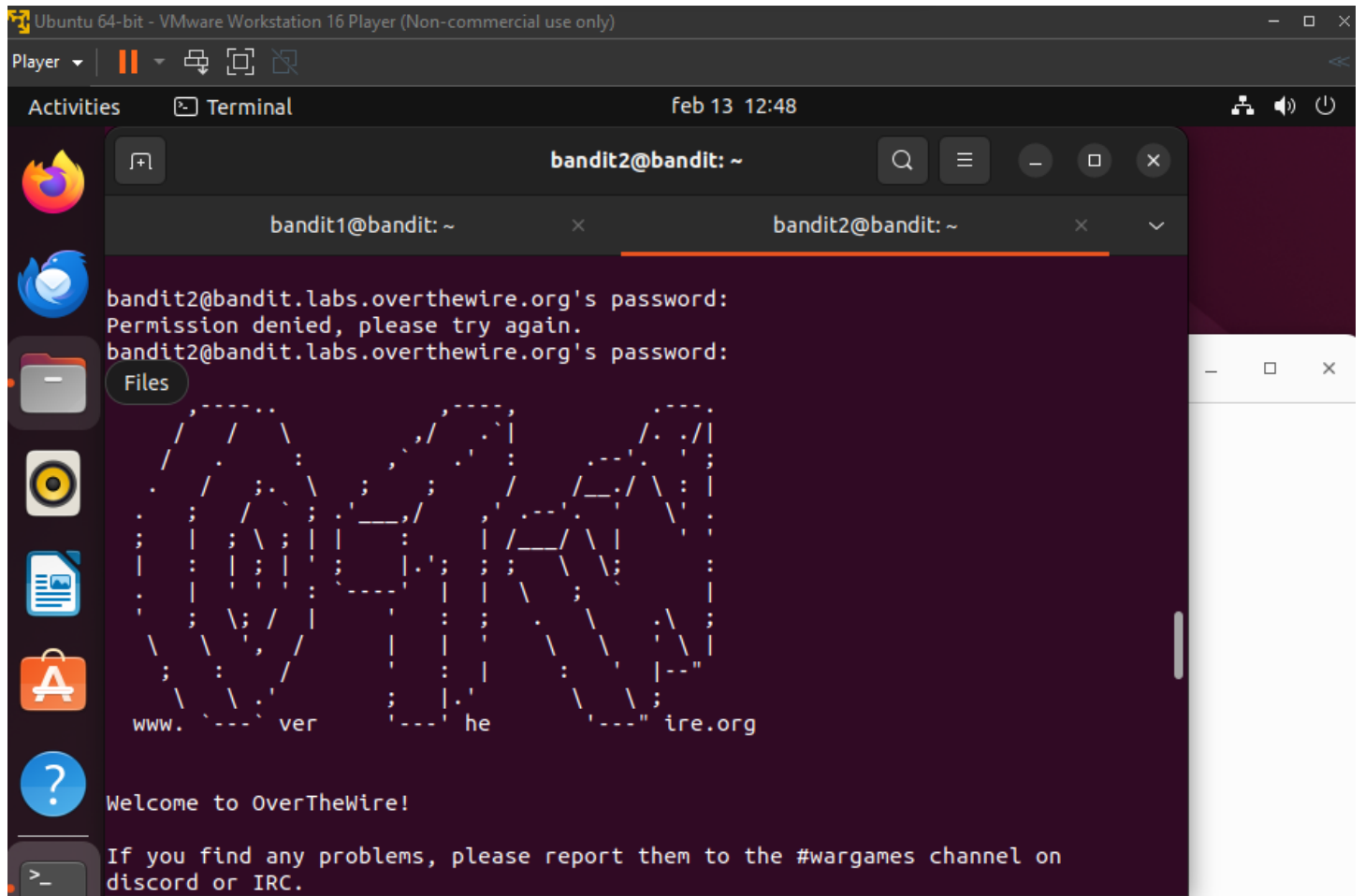
Enjoy your stay!

bandit1@bandit:~$ cat ./-
rRGizSaX8Mk1RTb1CNQoXTcYZWU6lgzi
bandit1@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
angel@angel-virtual-machine:~$
```

The terminal window is part of a larger interface showing the 'Activities' and 'Terminal' tabs. The date and time 'feb 13 12:46' are visible in the top right corner of the terminal window.




NIVEL2->3



Ubuntu 64-bit - VMware Workstation 16 Player (Non-commercial use only)

Player ▾ | [Icons] | <<

Activities Terminal feb 13 12:48 [Icons]



bandit2@bandit: ~

bandit1@bandit: ~

bandit2@bandit: ~

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/>)

--[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!

```
bandit2@bandit:~$
bandit2@bandit:~$ cat spaces\ in\ this\ filename
aBZ0W5EmUfAf7kHTQe0wd8bauFJ2lAiG
bandit2@bandit:~$
```

Ubuntu 64-bit - VMware Workstation 16 Player (Non-commercial use only)

Player ▾ | [Icons] | feb 13 12:49

Activities Terminal

bandit3@bandit: ~

bandit1@bandit: ~ x bandit3@bandit: ~ x ▾

```
bandit2@bandit:~$  
bandit2@bandit:~$ cat spaces\ in\ this\ filename  
aBZ0W5EmUfAf7kHTQe0wd8bauFJ2lAiG  
bandit2@bandit:~$ exit  
logout  
Connection to bandit.labs.overthewire.org closed.  
angel@angel-virtual-machine:~$ ssh bandit3@bandit.labs.overthewire.org -p 2220
```

OverTheWire

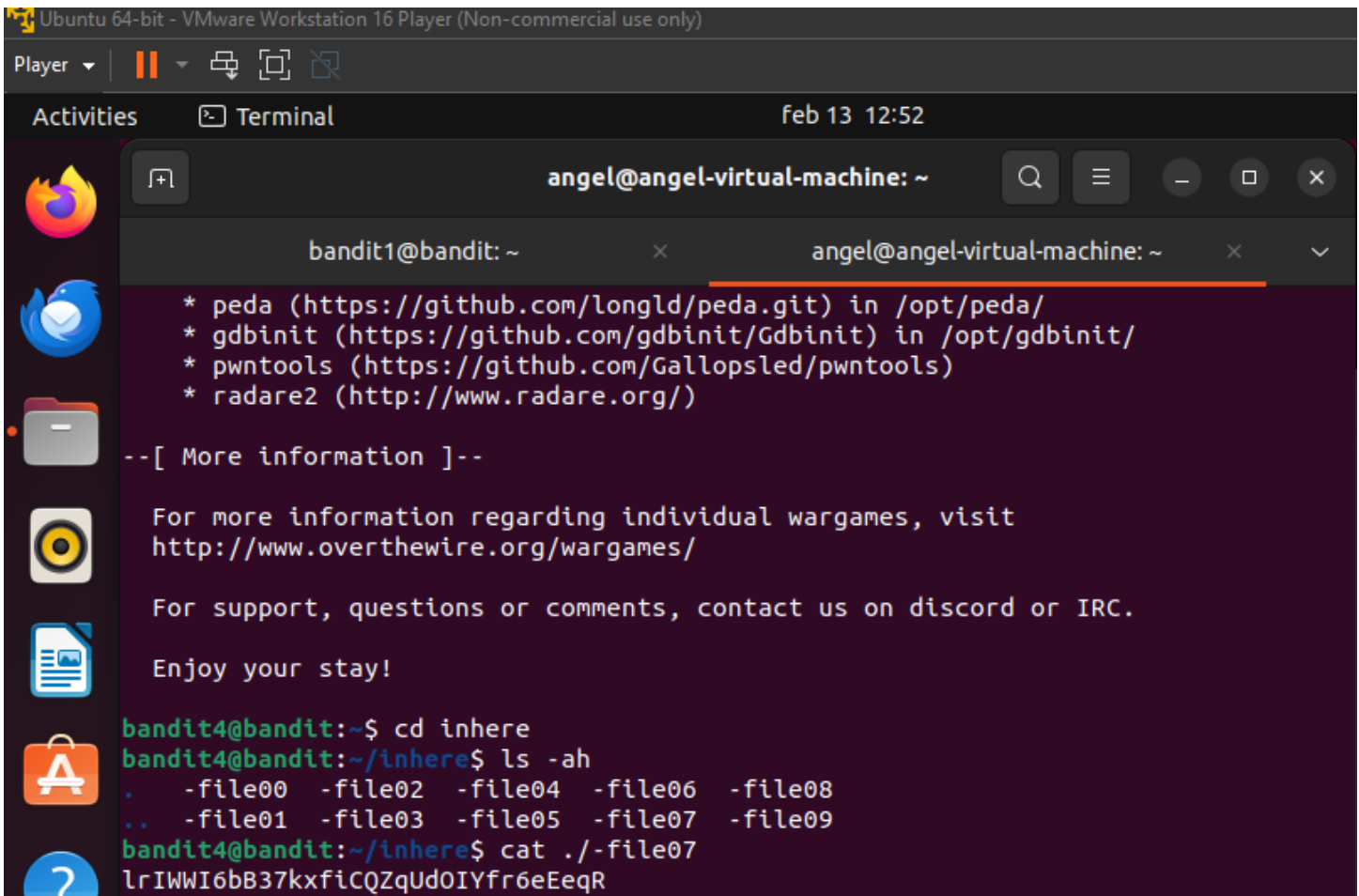
This is an OverTheWire game server.
For more information on <http://www.overthewire.org/wargames>

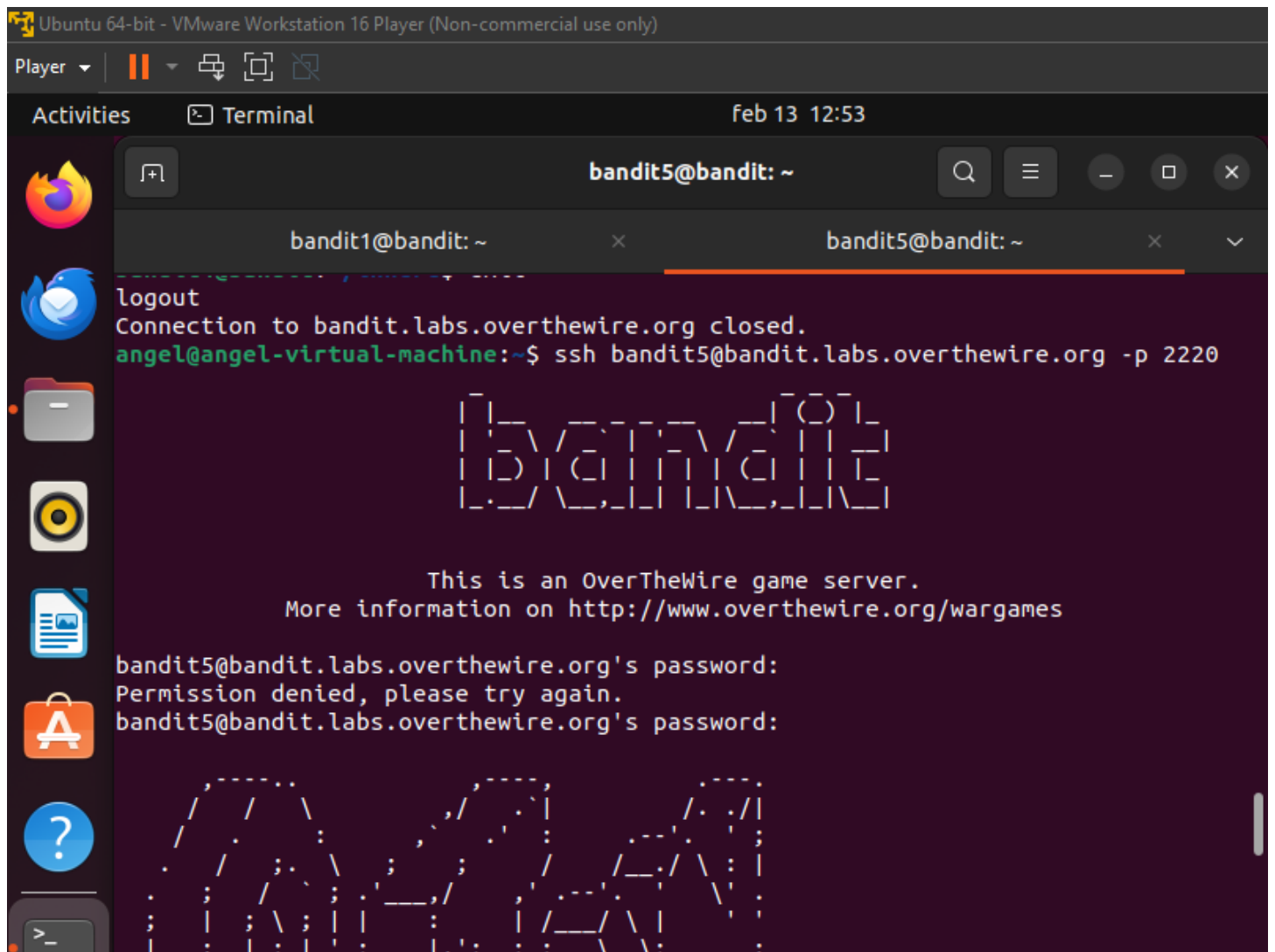
bandit3@bandit.labs.overthewire.org's password:

bandit3@bandit.labs.overthewire.org's password:

NIVEL 3->4

NIVEL 4->5





NIVEL 5->6

Ubuntu 64-bit - VMware Workstation 16 Player (Non-commercial use only)

Player ▾ | |

Activities Terminal feb 13 12:54

bandit5@bandit: ~

bandit1@bandit: ~ x bandit5@bandit: ~ x ▾

```
bandit5@bandit:~$ du -ab
4821  ./inhere/maybehere14/.file3
871   ./inhere/maybehere14/spaces file2
8351  ./inhere/maybehere14/-file2
4282  ./inhere/maybehere14/-file1
3756  ./inhere/maybehere14/-file3
376   ./inhere/maybehere14/spaces file3
3427  ./inhere/maybehere14/.file1
1382  ./inhere/maybehere14/spaces file1
1503  ./inhere/maybehere14/.file2
32865 ./inhere/maybehere14
3798  ./inhere/maybehere09/.file3
8716  ./inhere/maybehere09/spaces file2
774   ./inhere/maybehere09/-file2
3628  ./inhere/maybehere09/-file1
7961  ./inhere/maybehere09/-file3
7569  ./inhere/maybehere09/spaces file3
6763  ./inhere/maybehere09/.file1
5301  ./inhere/maybehere09/spaces file1
8517  ./inhere/maybehere09/.file2
57123 ./inhere/maybehere09
4802  ./inhere/maybehere00/.file3
6850  ./inhere/maybehere00/spaces file2
9388  ./inhere/maybehere00/-file2
```

Ubuntu 64-bit - VMware Workstation 16 Player (Non-commercial use only)

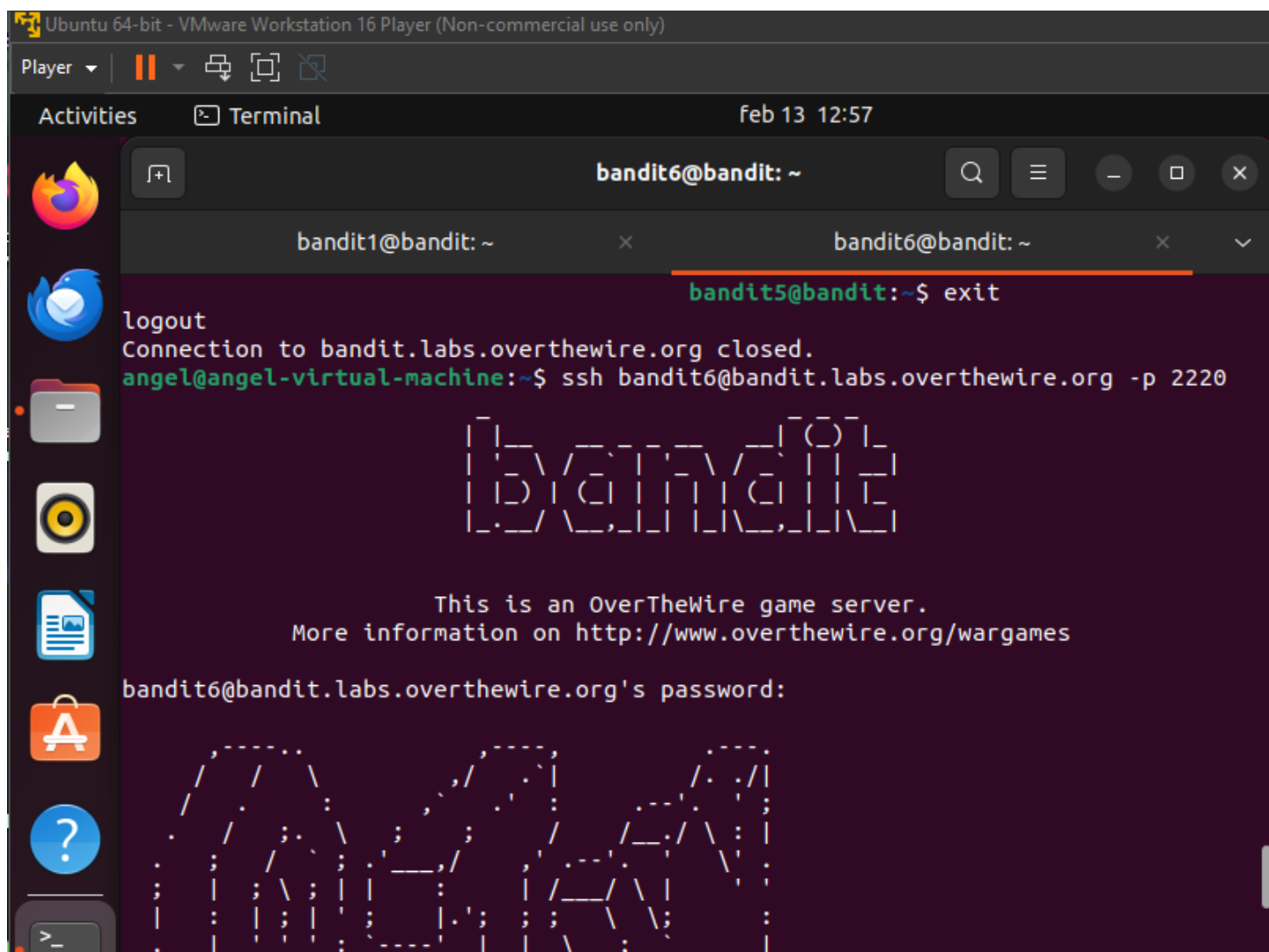
Player ▾ | |

Activities Terminal feb 13 12:55

bandit5@bandit: ~

bandit1@bandit: ~ x bandit5@bandit: ~ x ▾

```
4740  ./inhere/maybehere19/.file2
54678 ./inhere/maybehere19
888462 ./inhere
807   ./profile
3771  ./bashrc
220   ./bash_logout
897356 .
bandit5@bandit:~$ du -ab| grep 1033
1033  ./inhere/maybehere07/.file2
bandit5@bandit:~$ cat ./inhere/maybehere07/.file2
P4L4vucdmLnM8I7VL7jG1ApGSfjYKqJU
bandit5@bandit:~$
```



NIVEL 6->7



bandit6@bandit: ~

bandit1@bandit: ~

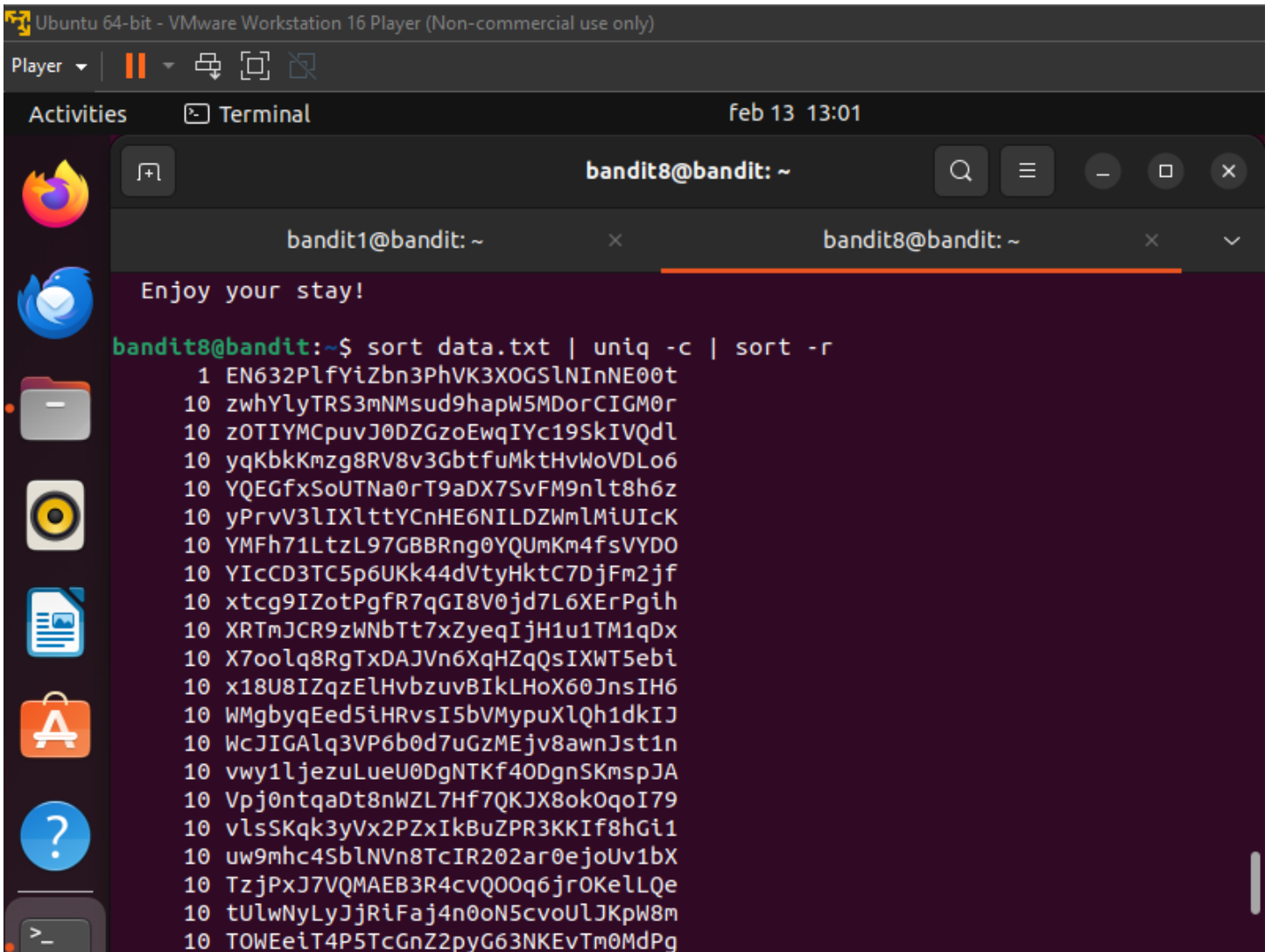
bandit6@bandit: ~

Enjoy your stay!

```
bandit6@bandit:~$ find / -group bandit6 -user bandit7
find: '/etc/ssl/private': Permission denied
find: '/etc/polkit-1/localauthority': Permission denied
find: '/etc/sudoers.d': Permission denied
find: '/etc/multipath': Permission denied
find: '/root': Permission denied
find: '/boot/efi': Permission denied
find: '/var/spool/bandit24': Permission denied
find: '/var/spool/cron/crontabs': Permission denied
find: '/var/spool/rsyslog': Permission denied
find: '/var/lib/ubuntu-advantage/apt-esm/var/lib/apt/lists/partial': Permission
denied
find: '/var/lib/snapd/cookie': Permission denied
find: '/var/lib/snapd/void': Permission denied
find: '/var/lib/private': Permission denied
find: '/var/lib/chrony': Permission denied
find: '/var/lib/polkit-1': Permission denied
find: '/var/lib/apt/lists/partial': Permission denied
find: '/var/lib/update-notifier/package-data-downloads/partial': Permission deni
ed
find: '/var/lib/amazon': Permission denied
/var/lib/dpkg/info/bandit7.password
```

```
bandit6@bandit:~$ du -b /var/lib/dpkg/info/bandit7.password
33      /var/lib/dpkg/info/bandit7.password
bandit6@bandit:~$ cat /var/lib/dpkg/info/bandit7.password
z7WtoNQU2XfjmMtWA8u5rN4vzqu4v99S
bandit6@bandit:~$
```


NIVEL 8->9



The screenshot shows a terminal window titled "bandit8@bandit: ~" with a search bar and window controls. The terminal output shows the command `sort data.txt | uniq -c | sort -r` and its output, which lists 20 lines of alphanumeric strings. The first line is `1 EN632PlfYiZbn3PhVK3XOGSLnNE00t`, indicating the password for the next level.

```
bandit8@bandit: ~  
Enjoy your stay!  
bandit8@bandit:~$ sort data.txt | uniq -c | sort -r  
1 EN632PlfYiZbn3PhVK3XOGSLnNE00t  
10 zwhYlyTRS3mNMsud9hapW5MDorCIGM0r  
10 zOTIYMCpuvJ0DZGzoEwqIYc19SkIVQdL  
10 yqKbkKmzg8RV8v3GbtFuMktHvWoVDLo6  
10 YQEGfxSoUTNa0rT9aDX7SvFM9nlt8h6z  
10 yPrvV3lIXlTtYCnHE6NILDZWmLMiUIcK  
10 YMFh71LtZL97GBBRng0YQumKm4fsVYD0  
10 YIcCD3TC5p6UKk44dVtyHktC7DjFm2jf  
10 xtcg9IZotPgFR7qGI8V0jd7L6XErPgih  
10 XRTmJCR9zWNbTt7xZyeqIJH1u1TM1qDx  
10 X7oolq8RgTxDAJVn6XqHZqQsIXWT5ebi  
10 x18U8IZqzELHvbzuvBIkLHoX60JnsIH6  
10 WMgbyqEed5iHRvsI5bVMypuXlQh1dkIJ  
10 WcJIGAlq3VP6b0d7uGzMEjv8awnJst1n  
10 vwy1ljezuLueU0DgNTKf40DgnSKmspJA  
10 Vpj0ntqaDt8nWZL7Hf7QKJX8ok0qoI79  
10 vlsSKqk3yVx2PZxIkBuZPR3KKIf8hGi1  
10 uw9mhc4SblNVn8TcIR202ar0ejoUv1bX  
10 TzjPxJ7VQMAEB3R4cvQ00q6jr0KeLLQe  
10 tUlWnyLyJjRiFaj4n0oN5cvouLJKpW8m  
10 TOWEeiT4P5TcGnZ2pyG63NKEvTm0MdPg
```

La contraseña es el numero 1 para el siguiente usuario

Ubuntu 64-bit - VMware Workstation 16 Player (Non-commercial use only)

Player ▾ || ▾ □ ▹ ▸

Activities Terminal Feb 13 13:03

bandit9@bandit: ~

bandit1@bandit: ~ × bandit9@bandit: ~ × ▾

```
10 18DyJwhN856SsMx8bNrFSvr6rJxNQKhE
bandit8@bandit:~$ uniq
^C
bandit8@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
angel@angel-virtual-machine:~$ ssh bandit9@bandit.labs.overthewire.org -p 2220

[bandit]

This is an OverTheWire game server.
More information on http://www.overthewire.org/wargames

bandit9@bandit.labs.overthewire.org's password:
```

NIVEL 9->10

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/>)

--[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!

```
bandit9@bandit:~$ strings data.txt | grep ==
```

```
x]T===== theG)"
```

```
===== passwordk^
```

```
===== is
```

```
===== G7w8LIi6J3kTb8A7j9LgrywtEUlyyp6s
```

```
bandit9@bandit:~$
```



```
bandit11@bandit: ~  
--[ 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/)  
  
--[ 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!  
  
bandit11@bandit:~$ tr [a-zA-Z] [n-za-mN-ZA-M] < data.txt  
The password is JVNBBFSmZwKKOP0XbFX0oW8chDz5yVRv  
bandit11@bandit:~$
```

NIVEL 12->13

```
For support, questions or comments, contact us on discord or IRC.  
  
Enjoy your stay!  
  
bandit12@bandit:~$ mkdir /tmp/gordon  
bandit12@bandit:~$ cp data.txt /tmp/gordon  
bandit12@bandit:~$ cd /tmp/gordon  
bandit12@bandit:/tmp/gordon$ mv data.txt  
mv: missing destination file operand after 'data.txt'  
Try 'mv --help' for more information.  
bandit12@bandit:/tmp/gordon$ mv data.txt data1.txt  
bandit12@bandit:/tmp/gordon$ data1.txt ASCII text  
data1.txt: command not found  
bandit12@bandit:/tmp/gordon$ data1.txt: ASCII text  
data1.txt:: command not found  
bandit12@bandit:/tmp/gordon$ file data1.txt  
data1.txt: ASCII text  
bandit12@bandit:/tmp/gordon$ cat data1.txt  
00000000: 1f8b 0808 6855 1e65 0203 6461 7461 322e ....hU.e..data2.  
00000010: 6269 6e00 013d 02c2 fd42 5a68 3931 4159 bin...=...BZh91AY  
00000020: 2653 5948 1b32 0200 0019 ffff faee cff7 &SYH.2.....  
00000030: f6ff e4f7 bfb3 ffff bff7 ffb9 39ff 7ffb .....9...  
00000040: bd31 eeff b9fb fbbb b9bf f77f b001 3b2c .1.....;;
```

```
bandit12@bandit:/tmp/gordon$ tar xvf data2.tar
tar: data2.tar: Cannot open: No such file or directory
tar: Error is not recoverable: exiting now
bandit12@bandit:/tmp/gordon$ ls
data1.txt  data2.out
Terminal bandit:/tmp/gordon$
```

```
bandit12@bandit:/tmp/gordon$ tar xvf data2.out
data5.bin
bandit12@bandit:/tmp/gordon$
```

```
bandit12@bandit:/tmp/gordon$ tar xvf data2.out
data5.bin
bandit12@bandit:/tmp/gordon$ tar xvf data5.bin
data6.bin
bandit12@bandit:/tmp/gordon$ bzip2 -d data6.bin
bzip2: Can't guess original name for data6.bin -- using data6.bin.out
bandit12@bandit:/tmp/gordon$
```

```
bandit1@bandit: ~ x bandit12@bandit: /tmp/gordon x v
bandit12@bandit:/tmp/gordon$ tar xvf data2.out.tar
tar: data2.out.tar: Cannot open: No such file or directory
tar: Error is not recoverable: exiting now
bandit12@bandit:/tmp/gordon$ tar xvf data2.out
data5.bin
bandit12@bandit:/tmp/gordon$ tar xvf data5.bin
data6.bin
bandit12@bandit:/tmp/gordon$ bzip2 -d data6.bin
bzip2: Can't guess original name for data6.bin -- using data6.bin.out
bandit12@bandit:/tmp/gordon$ bzip2 -d data6.bin.out
bzip2: Can't guess original name for data6.bin.out -- using data6.bin.out.out
bzip2: data6.bin.out is not a bzip2 file.
bandit12@bandit:/tmp/gordon$ tar -xf data6.bin.out
bandit12@bandit:/tmp/gordon$ tar -xf data6.bin
tar: data6.bin: Cannot open: No such file or directory
tar: Error is not recoverable: exiting now
bandit12@bandit:/tmp/gordon$ bzip2 -d data6.bin.out
bzip2: Can't guess original name for data6.bin.out -- using data6.bin.out.out
bzip2: data6.bin.out is not a bzip2 file.
bandit12@bandit:/tmp/gordon$ mv data8.bin data8.gz
bandit12@bandit:/tmp/gordon$ gzip -d data8.gz
bandit12@bandit:/tmp/gordon$ cat data8
The password is wbWd1BxEir4CaE8LaPhauu0o6pwRmrDw
bandit12@bandit:/tmp/gordon$
```

NIVEL 13->14

[illegible]

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/>)

--[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!

bandit14@bandit:~\$

```
bandit14@bandit: ~  
angel@angel-virtual-m... x angel@angel-virtual-m... x bandit14@bandit: ~ x v  
Enjoy your stay!  
bandit14@bandit:~$ telnet localhost 30000  
Trying 127.0.0.1...  
Connected to localhost.  
Escape character is '^]'.  
Wrong! Please enter the correct current password  
Connection closed by foreign host.  
bandit14@bandit:~$  
bandit14@bandit:~$  
bandit14@bandit:~$ cat /etc/bandit_pass/bandit14  
fGrHPx402xGC7U7rXKDaxiWFT0iF0ENq  
bandit14@bandit:~$ telnet localhost 30000  
Trying 127.0.0.1...  
Connected to localhost.  
Escape character is '^]'.  
fGrHPx402xGC7U7rXKDaxiWFT0iF0ENq  
Correct!  
jN2kgmIXJ6fShzhT2avhotn4Zcka6tnt  
Connection closed by foreign host.  
bandit14@bandit:~$
```

NIVEL 15->16

```
0000 - 01 00 50 c0 55 50 0c 50-c0 c9 50 c7 20 51 50 10 .jo.50c-....  
0090 - 7a 83 90 fe 63 01 70 c1-e9 2a 7e d3 68 1f 50 8d z...c.p..*~.h.P.  
00a0 - d2 9c c6 a9 7e bf 2b 8b-55 60 0a b9 99 d1 26 86 ....~.+U`....&.  
00b0 - c9 7b 0d c9 2a 4f 7a 96-63 8a ff 54 06 9b 8a de .{..*0z.c..T....  
00c0 - ab fa ab bc 68 eb ca b1-92 f2 15 d0 89 32 09 b7 ....h.....2..
```

Start Time: 1707898564

Timeout : 7200 (sec)

Verify return code: 10 (certificate has expired)

Extended master secret: no

Max Early Data: 0

read R BLOCK

R

RENEGOTIATING

80DBF0F7FF7F0000:error:0A00010A:SSL routines:can_renegotiate:wrong ssl version:./ssl/ssl_lib.c:2289:

bandit15@bandit:~\$ openssl s_client -connect localhost:30001 -ign_eof

CONNECTED(00000003)

Can't use SSL_get_servername

depth=0 CN = localhost

verify error:num=18:self-signed certificate

verify return:1

depth=0 CN = localhost

verify error:num=10:certificate has expired

```
0030 - 4d b3 00 5b 91 39 72 4a-cc 69 c1 04 34 39 7f 1a M..[.9rJ.i..49..
0040 - ae 55 f4 31 95 97 27 75-c2 fa 27 23 58 76 fa f3 .U.1..'u..'#Xv..
0050 - 30 82 f9 be 7b de 0b 39-8e 49 e1 5f 2c 99 d3 c3 0...{..9.I._,...
0060 - 5a d1 76 2a 10 cb 4c 3c-a4 da 74 69 e0 07 64 2c Z.v*..L<..ti..d,
0070 - 1e ae b4 3c a6 ae b3 98-38 b2 4a 68 e6 6c cf b6 ...<....8.Jh.l..
0080 - a6 1a 1e dc ac 94 61 05-41 33 2d 7c 80 74 af a0 .....a.A3-|.t..
0090 - 69 4e 35 6d 36 b8 b7 75-ae b6 22 b0 14 af ea 10 iN5m6..u..".....
00a0 - 92 eb 5f 57 ea 6d 31 c5-33 3d 03 d9 8c f9 c7 00 .._W.m1.3=.....
00b0 - 2d 6c 7a ce 5b 5a 96 75-d6 e0 5f 82 77 e5 df 5a -lZ.[Z.u.._w..Z
00c0 - 9a 56 be a8 e9 df c4 bf-05 dd 69 33 9e 09 ae f5 .V.....i3....
```

Start Time: 1707898616

Timeout : 7200 (sec)

Verify return code: 10 (certificate has expired)

Extended master secret: no

Max Early Data: 0

read R BLOCK

jN2kgmIXJ6fShzhT2avhotn4Zcka6tn

Correct!

JQttfApK4SeyHwDlI9SXGR50qcLOAil1

closed

bandit15@bandit:~\$