

bandit0@bandit: ~



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/>)

--[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:~$ ls
```

```
readme
```

```
bandit0@bandit:~$ cat readme
```

Congratulations on your first steps into the bandit game!!

Please make sure you have read the rules at <https://overthewire.org/rules/>

If you are following a course, workshop, walkthrough or other educational activity, please inform the instructor about the rules as well and encourage them to contribute to the OverTheWire community so we can keep these games free!

The password you are looking for is: ZjLjTmM6FvvYRnrb2rfNW0Z0Ta6ip5If

```
bandit0@bandit:~$
```



bandit0@bandit: ~



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

bandit

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

bandit0@bandit.labs.overthewire.org's password:

OverTheWire

www. ver he " ire.org

Welcome to OverTheWire!

If you find any problems, please report them to the #wargames channel on discord or IRC.

--[Playing the games]--

This machine might hold several wargames.
If you are playing "somegame", then:

- * USERNAMES are somegame0, somegame1, ...
- * Most LEVELS are stored in /somegame/.



ahmed@ahmed-VirtualBox: ~/Desktop/MyFolder



```
ahmed@ahmed-VirtualBox:~$ pwd
```

```
/home/ahmed
```

```
ahmed@ahmed-VirtualBox:~$ ls
```

```
Desktop Documents Downloads Music Pictures Public snap Templates Videos
```

```
ahmed@ahmed-VirtualBox:~$ cd Desktop
```

```
ahmed@ahmed-VirtualBox:~/Desktop$ nano Mia.text
```

```
ahmed@ahmed-VirtualBox:~/Desktop$ mkdir MyFolder
```

```
mkdir: cannot create directory 'MyFolder': File exists
```

```
ahmed@ahmed-VirtualBox:~/Desktop$ mkdir MyFolder1
```

```
ahmed@ahmed-VirtualBox:~/Desktop$ ls
```

```
c Mia.text MyFolder MyFolder1
```

```
ahmed@ahmed-VirtualBox:~/Desktop$ mv Mia.text MyFolder1
```

```
ahmed@ahmed-VirtualBox:~/Desktop$ cd MyFolder1
```

```
ahmed@ahmed-VirtualBox:~/Desktop/MyFolder1$ ls
```

```
Mia.text
```

```
ahmed@ahmed-VirtualBox:~/Desktop/MyFolder1$ cd ..
```

```
ahmed@ahmed-VirtualBox:~/Desktop$ cd MyFolder
```

```
ahmed@ahmed-VirtualBox:~/Desktop/MyFolder$ ls
```

```
Mia2.text Mia.text
```

```
ahmed@ahmed-VirtualBox:~/Desktop/MyFolder$ rm Mia2.text
```

```
ahmed@ahmed-VirtualBox:~/Desktop/MyFolder$ ls
```

```
Mia.text
```

```
ahmed@ahmed-VirtualBox:~/Desktop/MyFolder$ cd ..
```

```
ahmed@ahmed-VirtualBox:~/Desktop$ mkdir MyFolder3
```

```
ahmed@ahmed-VirtualBox:~/Desktop$ cd MyFolder
```

```
ahmed@ahmed-VirtualBox:~/Desktop/MyFolder$ ls
```

```
Mia.text
```

```
ahmed@ahmed-VirtualBox:~/Desktop/MyFolder$ cp Mia.text MyFolder3
```

```
ahmed@ahmed-VirtualBox:~/Desktop/MyFolder$ cd..
```

```
cd..: command not found
```

```
ahmed@ahmed-VirtualBox:~/Desktop/MyFolder$ cd ..
```

```
ahmed@ahmed-VirtualBox:~/Desktop$ cd MyFolder3
```

```
ahmed@ahmed-VirtualBox:~/Desktop/MyFolder3$ ls
```

```
ahmed@ahmed-VirtualBox:~/Desktop/MyFolder3$ cd ..
```

```
ahmed@ahmed-VirtualBox:~/Desktop$ cd MyFolder
```

```
ahmed@ahmed-VirtualBox:~/Desktop/MyFolder$ ls
```

```
Mia.text MyFolder3
```

```
ahmed@ahmed-VirtualBox:~/Desktop/MyFolder$ cp Mia.text MyFolder3
```

```
ahmed@ahmed-VirtualBox:~/Desktop/MyFolder$ cd MyFolder3
```

```
bash: cd: MyFolder3: Not a directory
```




ahmed@ahmed-VirtualBox: ~/Desktop/MyFolder1



ahmed@ahmed-VirtualBox:~\$ pwd

/home/ahmed

ahmed@ahmed-VirtualBox:~\$ ls

Desktop Documents Downloads Music Pictures Public snap Templates Videos

ahmed@ahmed-VirtualBox:~\$ cd Desktop

ahmed@ahmed-VirtualBox:~/Desktop\$ nano Mia.text

ahmed@ahmed-VirtualBox:~/Desktop\$ mkdir MyFolder

mkdir: cannot create directory 'MyFolder': File exists

ahmed@ahmed-VirtualBox:~/Desktop\$ mkdir MyFolder1

ahmed@ahmed-VirtualBox:~/Desktop\$ ls

c Mia.text MyFolder MyFolder1

ahmed@ahmed-VirtualBox:~/Desktop\$ mv Mia.text MyFolder1

ahmed@ahmed-VirtualBox:~/Desktop\$ cd MyFolder1

ahmed@ahmed-VirtualBox:~/Desktop/MyFolder1\$ ls

Mia.text

ahmed@ahmed-VirtualBox:~/Desktop/MyFolder1\$



Screenshot captured

You can paste the image from the clipboard.



```
12 whatis man
13 whatis cd
14 whati_cd
15 whatis_cd
16 whatis whatis
17 is
18 sudo apt install ironseed
19 pwd
20 cd
21 pwd
22 mkdir
23 mkdir --help
24 sudo apt update
25 sudo apt install-y build-essential linux-headers-$(uname-r)
26 sudo apt install -y build-essential linux-headers-$(uname-r)
27 sudo apt install -y build-essential linux-headers -$(uname -r)
28 sudo apt install -y build-essential linux-headers-$(uname-r)
29 ls
30 pwd
31 cd desktop
32 cd Desktop
33 ls
34 nano Mia.text
35* nano
36 nano Mia.text
37 ls
38 cat Mia.text
39 mkdir MyFolder
40 ls
41 mv Mia.text MyFolder
42 ls
43 cd MyFolder
44 ls
45 nano Mia2.text
46 cd MyFolder
47 cd ..
48 cd MyFolder
49 ls
50 history
```

ahmed@ahmed-VirtualBox:~/Desktop/MyFolder\$



ahmed@ahmed-VirtualBox: ~/Desktop/MyFolder



ahmed@ahmed-VirtualBox:~/Desktop/MyFolder\$ history

```
1
2 sudo apt update
3 adm84718
4 sudo apt update
5 ls
6 cd
7 ls
8 man cd
9 man ls
10 whatis
11 whatis ls
12 whatis man
13 whatis cd
14 whatis_cd
15 whatis_cd
16 whatis whatis
17 is
18 sudo apt install ironseed
19 pwd
20 cd
21 pwd
22 mkdir
23 mkdir --help
24 sudo apt update
25 sudo apt install -y build-essential linux-headers-$(uname-r)
26 sudo apt install -y build-essential linux-headers-$(uname-r)
27 sudo apt install -y build-essential linux-headers-$(uname-r)
28 sudo apt install -y build-essential linux-headers-$(uname-r)
29 ls
30 pwd
31 cd desktop
32 cd Desktop
33 ls
34 nano Mia.text
35* nano
36 nano Mia.text
37 ls
38 cat Mia.text
39 mkdir MyFolder
```



ahmed@ahmed-VirtualBox: ~/Desktop/MyFolder



```
ahmed@ahmed-VirtualBox:~$ ls
Desktop  Documents  Downloads  Music  Pictures  Public  snap  Templates  Videos
ahmed@ahmed-VirtualBox:~$ pwd
/home/ahmed
ahmed@ahmed-VirtualBox:~$ cd desktop
bash: cd: desktop: No such file or directory
ahmed@ahmed-VirtualBox:~$ cd Desktop
ahmed@ahmed-VirtualBox:~/Desktop$ ls
ahmed@ahmed-VirtualBox:~/Desktop$ nano Mia.text
ahmed@ahmed-VirtualBox:~/Desktop$ ls
c
ahmed@ahmed-VirtualBox:~/Desktop$ nano Mia.text
ahmed@ahmed-VirtualBox:~/Desktop$ ls
c Mia.text
ahmed@ahmed-VirtualBox:~/Desktop$ cat Mia.text
Hello World
ahmed@ahmed-VirtualBox:~/Desktop$ mkdir MyFolder
ahmed@ahmed-VirtualBox:~/Desktop$ ls
c Mia.text MyFolder
ahmed@ahmed-VirtualBox:~/Desktop$ mv Mia.text MyFolder
ahmed@ahmed-VirtualBox:~/Desktop$ ls
c MyFolder
ahmed@ahmed-VirtualBox:~/Desktop$ cd MyFolder
ahmed@ahmed-VirtualBox:~/Desktop/MyFolder$ ls
Mia.text
ahmed@ahmed-VirtualBox:~/Desktop/MyFolder$ nano Mia2.text
ahmed@ahmed-VirtualBox:~/Desktop/MyFolder$ cd MyFolder
bash: cd: MyFolder: No such file or directory
ahmed@ahmed-VirtualBox:~/Desktop/MyFolder$ cd ..
ahmed@ahmed-VirtualBox:~/Desktop$ cd MyFolder
ahmed@ahmed-VirtualBox:~/Desktop/MyFolder$ ls
Mia2.text  Mia.text
ahmed@ahmed-VirtualBox:~/Desktop/MyFolder$ history
1
2  sudo apt update
3  adm84718
4  sudo apt update
5  ls
6  cd
7  ls
```