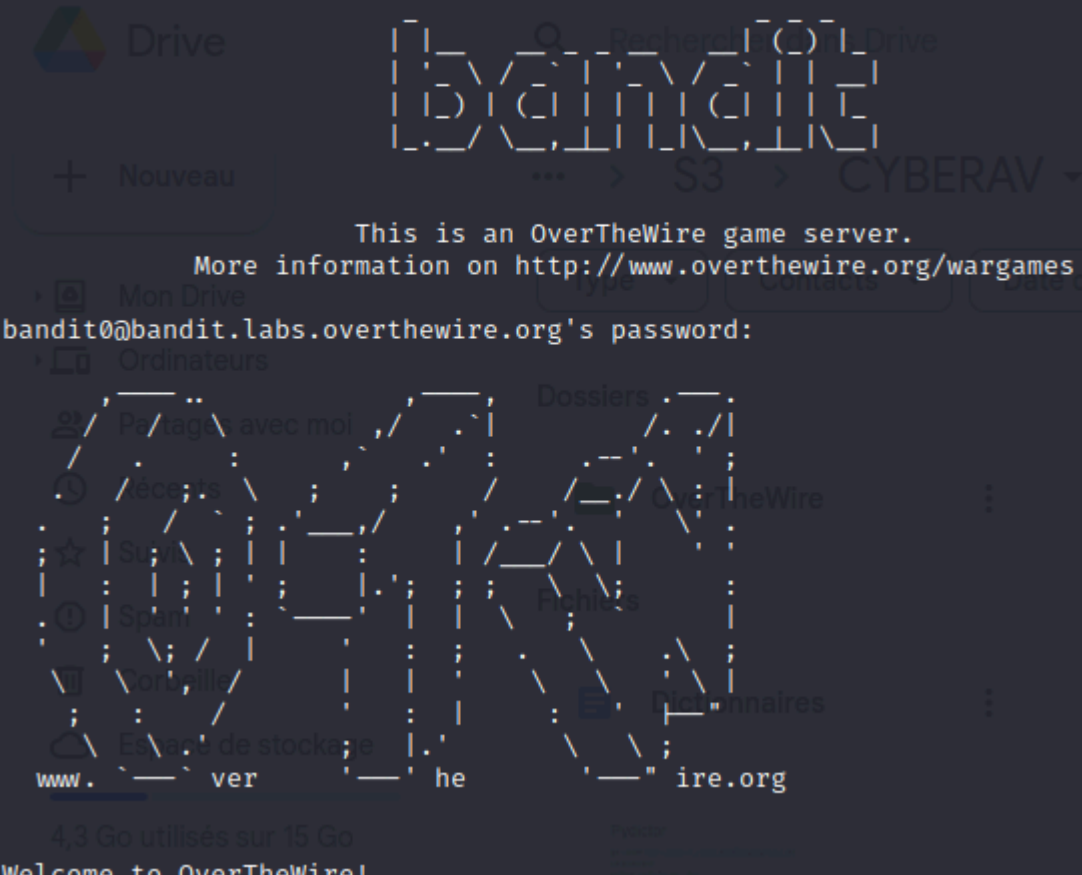


OverTheWire - Bandit

12/10/2023

Level 0

```
(root@kali)~[/home/alaia] Docs Kali Forums Kali NetHunter
# ssh bandit0@bandit.labs.overthewire.org -p 2220
```



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

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

Welcome to OverTheWire!

```
bandit0@bandit:~$ ls
readme
bandit0@bandit:~$ cat readme
NH2SXQwcBdpmTEzi3bvBHMM9H66vVXjL
bandit0@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.

(root@kali)-[/home/alaia]
# ssh bandit1@bandit.labs.overthewire.org -p 2220

      [ _ _ _ _ _ ] [ _ ]
    [ _ ] [ _ ] [ _ ] [ _ ]
  [ _ _ ] [ _ _ ] [ _ _ ] [ _ _ ]

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

bandit1@bandit.labs.overthewire.org's password:

  www. ver he " ire.org

Welcome to OverTheWire!
```

password: NH2SXQwcBdpmTEzi3bvBHMM9H66vVXjL

Level 1

```
bandit1@bandit:~$ ls -A
- .bash_logout .bashrc .profile
bandit1@bandit:~$ cat /home/bandit1/-
rRGizSaX8Mk1RTb1CNQoXTcYZWU6lgzi
bandit1@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.

(root@kali)-[/home/alaia]
# ssh bandit2@bandit.labs.overthewire.org -p 2220
Host: bandit.labs.overthewire.org
Port: 2220

Level 0
Level 0 → Level 1
Level 1 → Level 2
Level 2 → Level 3
Level 3 → Level 4
Level 4 → Level 5
Level 5 → Level 6
Level 6 → Level 7
Level 7 → Level 8
Level 8 → Level 9
Level 9 → Level 10
Level 10 → Level 11
Level 11 → Level 12
Level 12 → Level 13
Level 13 → Level 14

The password for the next level is stored in a file called
This is an OverTheWire game server.
More information on http://www.overthewire.org/wargames

bandit2@bandit.labs.overthewire.org's password:
Welcome to OverTheWire!
```

password: rRGizSaX8Mk1RTb1CNQoXTcYZWU6lgzi

Level 2

```
bandit2@bandit:~$ ls
spaces in this filename
bandit2@bandit:~$ cat 'spaces in this filename'
aBZ0W5EmUfAf7kHTQeOwd8bauFJ2lAiG
bandit2@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.

(root@kali)-[/home/alaia]
# ssh bandit3@bandit.labs.overthewire.org -p 2220

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

bandit3@bandit.labs.overthewire.org's password: "spaces in filename"

Welcome to OverTheWire!
```

password: aBZ0W5EmUfAf7kHTQeOwd8bauFJ2lAiG

Level 3

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

```
(root@kali)~[/home/alaia]
# ssh bandit4@bandit.labs.overthewire.org -p 2220

bandit4@bandit.labs.overthewire.org's password:

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

bandit4@bandit.labs.overthewire.org's password:

Welcome to OverTheWire!
```

password: **2EW7BBsr6aMMoJ2HjW067dm8EgX26xNe**

Level 4

```
bandit4@bandit:~$ cd inhere/
bandit4@bandit:~/inhere$ ls
-file00 -file02 -file04 -file06 -file08
-file01 -file03 -file05 -file07 -file09
bandit4@bandit:~/inhere$ file ./-file0*
./-file00: data
./-file01: data
./-file02: data
./-file03: data
./-file04: data
./-file05: data
./-file06: data
./-file07: ASCII text
./-file08: data
./-file09: data
bandit4@bandit:~/inhere$ cat ./-file07
lrIWWI6bB37kxfiCQZqUdOIYfr6eEeqR
bandit4@bandit:~/inhere$ exit
logout
Connection to bandit.labs.overthewire.org closed.

(root@kali)-[/home/alaia]
# ssh bandit5@bandit.labs.overthewire.org -p 2220
bandit5@bandit.labs.overthewire.org:
Level 4
cd inhere/
This is an OverTheWire game server.
More information on http://www.overthewire.org/wargames
bandit5@bandit.labs.overthewire.org's password:
Level 5
www. ver he ire.org
Welcome to OverTheWire!
```

password: lrIWWI6bB37kxfiCQZqUdOIYfr6eEeqR

Level 5

```
bandit5@bandit:~$ cd inhere/
bandit5@bandit:~/inhere$ ls
maybehere00  maybehere04  maybehere08  maybehere12  maybehere16
maybehere01  maybehere05  maybehere09  maybehere13  maybehere17
maybehere02  maybehere06  maybehere10  maybehere14  maybehere18
maybehere03  maybehere07  maybehere11  maybehere15  maybehere19
bandit5@bandit:~/inhere$ du -abt -1033
871  ./maybehere14/spaces  file2
376  ./maybehere14/spaces  file3
774  ./maybehere09/-file2
551  ./maybehere00/.file1
895  ./maybehere17/.file1
503  ./maybehere11/spaces  file2
452  ./maybehere11/.file1
742  ./maybehere15/.file3
51   ./maybehere15/spaces  file2
279  ./maybehere15/.file2
880  ./maybehere05/spaces  file1
288  ./maybehere01/-file2
142  ./maybehere04/.file3
1022 ./maybehere07/spaces  file3
1033 ./maybehere07/.file2
99   ./maybehere10/.file2
952  ./maybehere13/spaces  file2
215  ./maybehere08/spaces  file1
747  ./maybehere08/.file2
154  ./maybehere18/.file3
77   ./maybehere18/-file2
315  ./maybehere03/-file1
1022 ./maybehere12/.file3
251  ./maybehere12/-file2
494  ./maybehere19/.file3
bandit5@bandit:~/inhere$ cat ./maybehere07/.file2
P4L4vucdmLnm8I7Vl7jG1ApGSfjYKqJU
```

```
(root@kali)-[/home/alaia]
# ssh bandit6@bandit.labs.overthewire.org -p 2220

Level 5

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

bandit6@bandit.labs.overthewire.org's password:

Level 6

Welcome to OverTheWire!
```

password: **P4L4vucdmLnm8I7VI7jG1ApGSfjYKqJU**

Level 6

```
bandit6@bandit:/$ find -size 33c -group bandit6 -user bandit7 -print 2>/dev/null
./var/lib/dpkg/info/bandit7.password
bandit6@bandit:/$ cat ./var/lib/dpkg/info/bandit7.password
z7WtoNQU2XfjmMtWA8u5rN4vzqu4v99S
bandit6@bandit:/$ exit
logout
Connection to bandit.labs.overthewire.org closed.
```

```
(root@kali)-[/home/alaia]
# ssh bandit7@bandit.labs.overthewire.org -p 2220
```

bandit7

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

bandit7@bandit.labs.overthewire.org's password:

OverTheWire

www. ver he ire.org

Welcome to OverTheWire!

password: **z7WtoNQU2XfjmMtWA8u5rN4vzqu4v99S**

Level 7

```
bandit7@bandit:~$ grep "millionth" data.txt
millionth      TESKZC0XvTetK0S9xNwm25STk5iWrBvP
bandit7@bandit:~$ ^C
bandit7@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.

(root@kali)-[/home/alaia]
# ssh bandit8@bandit.labs.overthewire.org -p 2220

      | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | | | | | | | | | | | | | |
      | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
      | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ |

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

bandit8@bandit.labs.overthewire.org's password:

      | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | | | | | | | | | | | | | |
      | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
      | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ |

      www.      ver      he      " ire.org

Welcome to OverTheWire!
```

password: **TESKZC0XvTetK0S9xNwm25STk5iWrBvP**

Level 8

[illegible]

password: **EN632PIfYiZbn3PhVK3XOGSINlnNE00t**

Level 9

```
bandit9@bandit:~$ strings data.txt | grep "="
x]T===== theG)"
===== passwordk^
===== is
===== G7w8LIi6J3kTb8A7j9LgrywtEUlyyp6s
bandit9@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.

(root@kali)-[/home/alaia]
# ssh bandit10@bandit.labs.overthewire.org -p 2220

      | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | | | | | | | | | | | | | |
      | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
      | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ |

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

bandit10@bandit.labs.overthewire.org's password:

      | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | | | | | | | | | | | | | |
      | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
      | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ |

      www. ver he " ire.org

Welcome to OverTheWire!
```

password: **G7w8LIi6J3kTb8A7j9LgrywtEUlyyp6s**

Level 10

```
bandit10@bandit:~$ base64 -d data.txt
The password is 6zPezilDR2RKNdNYFNb6nVCKzphlXHBM
bandit10@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.

(root@kali)-[/home/alaia]
# ssh bandit11@bandit.labs.overthewire.org -p 2220

      _ _ _ _ _
     | | | | |
    | | | | |
   | | | | |
  | | | | |
 | | | | |
| | | | |

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

bandit11@bandit.labs.overthewire.org's password:

      _ _ _ _ _
     | | | | |
    | | | | |
   | | | | |
  | | | | |
 | | | | |
| | | | |

www. ver he ire.org

Welcome to OverTheWire!
```

password: **6zPezilD2RKNdNYFNb6nVCKzphIXHBM**

Level 11

```
bandit11@bandit:~$ cat data.txt | tr 'A-Za-z' 'N-ZA-Mn-za-m'
The password is JVNBBFSmZwKKOP0XbFXOoW8chDz5yVRv
bandit11@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.

(root@kali)-[/home/alaia]
# ssh bandit12@bandit.labs.overthewire.org -p 2220

      _ _ _ _ _
     | | | | |
    | | | | |
   | | | | |
  | | | | |
 | | | | |
| | | | |

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

bandit12@bandit.labs.overthewire.org's password:

      _ _ _ _ _
     | | | | |
    | | | | |
   | | | | |
  | | | | |
 | | | | |
| | | | |

www. ver he " ire.org

Welcome to OverTheWire!
```

password: **JVNBBFSmZwKKOP0XbFXOoW8chDz5yVRv**

Level 12

```
xxd -r data.txt | gzip -d | bzip2 -d | gzip -d | tar -xO | tar -xO | bzip2 -d | tar -xO | gzip -d | cat
```

```
bandit12@bandit:~$ xxd -r data.txt | gzip -d | bzip2 -d | gzip -d | tar -xO | tar -xO | bzip2 -d | tar -xO | gzip -d | cat
The password is wbWdlBxEir4CaE8LaPhauuOo6pwRmrDw
bandit12@bandit:~$ client_loop: send disconnect: Broken pipe
Fichier Edition Arrangement Insertion Format Outils Extensions Aide
(root@kali)~[/home/alaia]
# ssh bandit13@bandit.labs.overthewire.org -p 2220

Level 10
bandit10@bandit:~$ base64 -d data.txt
The password is 6zPezILdR2RKNDNYFNb6nVCKzphlXHB

Level 11
cat data.txt | tr 'A-Za-z' 'N-ZA-Mn-za-m'
The password is JVNBBFSmZwKKOP0xbFXOoW8chDz5y

Level 12
xxd -r data.txt | gzip -d | bzip2 -d | gzip -d | tar -xO | tar -xO
The password is wbWdlBxEir4CaE8LaPhauuOo6pwRmrDw

Welcome to OverTheWire!
```

password: **wbWdlBxEir4CaE8LaPhauuOo6pwRmrDw**

Level 13

```
bandit13@bandit:~$ ssh bandit14@localhost -p 2220 -i sshkey.private
The authenticity of host '[localhost]:2220 ([127.0.0.1]:2220)' can't be estab
lished.
ED25519 key fingerprint is SHA256:C2ihUBV7ihnV1wUXRb4RrEcLFXC5CXlhmAAM/urerLY
.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Could not create directory '/home/bandit13/.ssh' (Permission denied).
Failed to add the host to the list of known hosts (/home/bandit13/.ssh/known_
hosts).
```

[_	_	-	-	-	()
_	\	/	C	T	\	/
_)		((
_	.	/	\	,		
_	\	/ 	, 		\	/

```

Level 0 → Level 1: The password for the next level is stored in /etc/bandit_pass
Level 1 → Level 2: This is an OverTheWire game server.
More information on http://www.overthewire.org/wargames

```

```
!!! You are trying to log into this SSH server with a password on port 2220 from localhost.
!!! Connecting from localhost is blocked to conserve resources.
!!! Please log out and log in again.
```

Level 16 → Level 17
Welcome to OverTheWire!


```
bandit14@bandit:~$ exit
logout
```

logout
Connection to localhost closed.

```
Connection to localhost closed.  
bandit13@bandit:~$ exit
```

```
bandit13@bandit:~$ exit
logout
```

```
logout
Connection to bandit.labs.overthewire.org closed.
```

```
(root@kali)-[/home/alaia]
```

```
└─# ssh bandit14@bandit.labs.overthewire.org -p 2220
```

More information on <http://www.overthewire.org/wargames>

bandit14@bandit.labs.overthewire.org's password:

Level 14

```
bandit14@bandit:~$ nc localhost 30000
fGrHPx402xGC7U7rXKDaxiWFT0iF0ENq
Correct!
jN2kgmIXJ6fShzhT2avhotn4Zcka6tnt

bandit14@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.

(root@kali)-[/home/alaia]
# ssh bandit15@bandit.labs.overthewire.org -p 2220

      _ _ _ _ _
     | | | | |
    | | | | |
   _|_|_|_|_|_

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

bandit15@bandit.labs.overthewire.org's password:

  _ _ _ _ _
 | | | | | |
| | | | |
|_|_|_|_|_|
www. ver he " ire.org

Welcome to OverTheWire!
```

password: jN2kgmIXJ6fShzhT2avhotn4Zcka6tnt

Level 15

```
bandit15@bandit:~$ openssl s_client -connect localhost:30001
CONNECTED(00000003)
```


Level 16

```
bandit16@bandit:~$ nmap -p T:31000-32000 localhost
Starting Nmap 7.80 ( https://nmap.org ) at 2023-10-12 19:49 UTC
Nmap scan report for localhost (127.0.0.1)
Host is up (0.00010s latency).
Not shown: 996 closed ports
PORT      STATE SERVICE
31046/tcp  open  unknown
31518/tcp  open  unknown
31691/tcp  open  unknown
31790/tcp  open  unknown
31960/tcp  open  unknown

Nmap done: 1 IP address (1 host up) scanned in 0.07 seconds
```

```
bandit16@bandit:~$ openssl s_client -connect localhost:31790
CONNECTED(00000003)
```

```
read R BLOCK
JQtTfApK4SeyHwDlI9SXGR50qcl0Ail1
Correct!
-----BEGIN RSA PRIVATE KEY-----
MIIIEogIBAAKCAQEAvM0kuifmMg6HL2YPIOjon6iWfbp7c3jx34YkYWqUH57SUdyJ
imZzeyGC0gtZPGUjUSxiJSWI/oTqexh+cAMTSMlOJf7+BrJObArnxd9Y7YT2bRPQ
Ja6Lzb558YW3FZl870RiO+rW4LCDCND2lUvLE/GL2GWyuKN0K5iCd5TbtJzEkQTu
DSt2mcNn4rhAL+JFr56o4T6z8WWAW18BR6yGrMq7Q/kALHYW30ekePQAzL0VUYbW
JGTi65CxbCnzc/w4+mqQyvmpzPwMAzJTzAzQxNbkR2MBGySxDLrjg0LWN6sK7wNX
x0YVvtz/zbIkPjfkU1jHS+9EbVnj+D1XF0JuaQIDAQABAoIBABagpxpM1aoLWfvD
KHcj10nqcoBc4oE11aFYQwik7xfW+24pRNUDE6SFth0ar69jp5RlLwD1NhPx3iBl
J9n0M80J0VToum43UOS8YxF8WwhXriYGnc1sskbwpXOUDc9uX4+UESzH22P29ovd
d8WErY0gPxun8pbJLmxAAtWNhpMvfe0050vk9TL5wqbu9AlbssgTcCXkMQnPw9nC
YNN6DDP2lbcBrvgT9YCNL6C+ZKufD52y0Q9q0kwFTEQpjF4uNtJom+asvlpMS8A
vLY9r60wYSvmZhNqBURj7lyCtXMIu1kkd4w7F77k+DjHoAXyxcUp1DGL51sOmama
+TOWWgECgYEA8JtPxP0GRJ+IQkX262jM3dEIkza8ky5moIwUqYdsx0NxHgRRhORT
Bc8hAuRBb2G82so8vUHK/fur850Efc9TncnCY2crpoqsgghifKLxrLgtT+qDpfZnx
SatLdt8GfQ85yA7hnWWJ2MxF3NaeSDm75Lsm+tBbAiyC9P2jGRNtMSkCgYEAypHd
HCctNi/FwjulhttFx/rHYKhLidZDFYeiE/v45bN4yFm8x7R/b0iE7KaszX+Exdvt
SghaTdcG0Knyw1bpJVyusavPzpaJMjdJ6tcFhVAbAjm7enCIvGCSx+X3l5SiWg0A
R57hJglezIiVjv3aGwHwvLZvtSzK6zV6oXFAu0ECgYABjo46T4hyP5tJi93V5Hdi
TtieK7xRVxUL+iU7rWkGAXFpMLFteQEsRr7PJ/lemmEY5eTDAFMLy9FL2m9oQWCg
R8VdwSk8r9FGLS+9aKcV5PI/WEKlwgXinB30hYimtiG2Cg5JCqIZFHxD6MjEG0iu
L8ktHMPvodBwNsSBULpG0QKBgBAPlTfC1H0nWiMGOU3KPwYwT006CdTkmJ0mL8Ni
bLh9elyZ9FsGxsgtRBXRsqXuz7wtsQAgLHxbdLq/ZJQ7Yfz0KU4ZxEnabvXnvWkU
Y0djHdS0oKvDQNWu6ucyLRAWFuISexw9a/9p7ftpxm0TSgyvmfLF2MIAEwyZRqaM
77pBAoGAMmjmIJdjp+Ez8duyn3ieo36yrTtF5NSsJLABxPpdlc1gvtGCWW+9Cq0b
dxviW8+TFVEBl104f7HVM6EpTscdDxU+bCXWkfjuRb7Dy9G0tt9JP5X8MBTakzh3
vBgysi/sN3RqRBcGU40f0oZyfAMT8s1m/uYv5206IgeuZ/ujbjY=
-----END RSA PRIVATE KEY-----
```

```
bandit16@bandit:~$ mkdir -p /tmp/tmp.Qj6CeftVZj
bandit16@bandit:~$ echo "-----BEGIN RSA PRIVATE KEY-----
MIIeogIBAAKCAQEAvM0kuifmMg6HL2YPI0jon6iWfbp7c3jx34YkYWqUH57SudyJ
imZzeyGC0gtZPGujUSxiJSWI/oTqexh+cAMTSMlOJf7+BrJObArnxd9Y7YT2bRPQ
Ja6Lzb558YW3FZl870RiO+rW4LCDCNd2lUvLE/GL2GwyuKN0K5iCd5TbtJzEkQTu
DSt2mcNn4rhAL+JFr56o4T6z8WWAW18BR6yGrMq7Q/kALHYW30ekePQAZL0VUYbW
JGTi65CxbCnzc/w4+mqQyvmzpWtMAzJTzAzQxNbkR2MBGySxDLrjg0LWN6sK7wNX
x0YVztz/zbIkPjfkU1jHS+9EbVNj+D1XF0JuaQIDAQABAoIBABagpxpM1aoLWfvD
KHcj10nqcoBc4oE11aFYQwik7xfW+24pRNUDE6SFth0ar69jp5RLLwD1NhPx3iBl
J9nOM80J0VToum43UOS8YxF8WwhXriYGnc1sskbwpXOUDc9uX4+UESzH22P29ovd
d8WErY0gPxun8pbJLmxkAtWNhpMvfe0050vk9TL5wqbu9AlbssgTcCXkMQnPw9nC
YNN6DDP2lbcBrvgT9YCNL6C+ZKufD52y0Q9q0kwFTEQpjtf4uNtJom+asvlpms8A
vLY9r60wYSvmZhNqBURj7lyCtXMIu1kkd4w7F77k+DjHoAXyxcUp1DGL51sOmama
+TOWWgECgYEA8JtPxP0GRJ+IQkX262jM3dEIkza8ky5moIwUqYdsx0NxHgRRhORT
8c8hAuRBb2G82so8vUHK/fur850Efc9TncnCY2crpoqsgghifKLxrLgtT+qDpfZnx
SatLdt8GfQ85yA7hnWWJ2MxF3NaeSDm75Lsm+tBbAiyC9P2jGRNtMSkCgYEAypHd
HCctNi/FwjulhttFx/rHYKhLidZDFYeiE/v45bN4yFm8x7R/b0iE7KaszX+Exdvt
SghaTdcG0Knyw1bpJVyusavPzpaJMjdJ6tcFhVABajm7enCIvGCSx+X3l5SiWg0A
R57hJglezIiVjv3aGwHwvLZvtszK6zV6oXFAu0ECgYABjo46T4hyP5tJi93V5Hdi
TtieK7xRVxUl+iU7rWkGAXFpMLFteQEsRr7PJ/lemmEY5eTDAFmLy9FL2m9oQWCg
R8VdwSk8r9FGLS+9aKcV5PI/WEKlwgXinB30hYimtiG2Cg5JCqIZFHxD6MjEG0iu
L8ktHMPvodBwNsSBULpG0QKBgBAPltfC1H0nWiMGOU3KPwYwt006CdTkmJ0mL8Ni
blh9elyZ9FsGxsgtRBXRsqXuz7wtsQAgLHxbdLq/ZJQ7Yfz0KU4ZxEnabvXnvWkU
Y0djHdS0oKvDQNWu6ucyLRAWFuISeXw9a/9p7ftpxm0TSgyvmfLF2MIAEwyzRqaM
77pBAoGAMmjmIJdjp+Ez8duyn3ieo36yrftF5NSsJLABxPpdlc1gvtGCWW+9Cq0b
dxviW8+TFVEBl104f7HVm6EpTscdDxU+bCXWkfjuRb7Dy9G0tt9JPX8MBTakh3
vBgysi/sN3RqRBcGU40f0oZyfAMT8s1m/uYv5206IgeuZ/ujbjY=
-----END RSA PRIVATE KEY-----" > /tmp/tmp.Qj6CeftVZj/privatekey
```

Level 17

```
bandit17@bandit:~$ diff passwords.new passwords.old
42c42
< hga5tuuCLF6fFzUpnagiMN8ssu9LFrdg
—
> p6ggwdNHncnmCNxuAt0KtKVq185ZU7AW
bandit17@bandit:~$ exit
logout
Connection to localhost closed.
bandit16@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.

(root@kali)-[/home/alaia]
# ssh bandit18@bandit.labs.overthewire.org -p 2220

      _ _ _ _ _
     / / / / /
    / / / / /
   / / / / /
  / / / / /
 / / / / /
/_/_/_/_/_

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

bandit18@bandit.labs.overthewire.org's password:

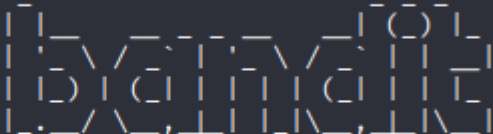
  www. ver he ire.org

Welcome to OverTheWire!
```

password: **hga5tuuCLF6fZUpnagiMN8ssu9LFrdg**

Level 18

```
(root@kali)-[/home/alaia]
# ssh bandit18@bandit.labs.overthewire.org -p 2220 cat readme
```



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

bandit18@bandit.labs.overthewire.org's password:
awhqfNnAbc1naukrpqDYcF95h7HoMTrC

password: **awhqfNnAbc1naukrpqDYcF95h7HoMTrC**

Level 19

[illegible]

Level 21

```
bandit21@bandit:~$ ls -l /etc/cron.d/
total 36
-rw-r--r-- 1 root root 62 Oct 5 06:19 cronjob_bandit15_root
-rw-r--r-- 1 root root 62 Oct 5 06:19 cronjob_bandit17_root
-rw-r--r-- 1 root root 120 Oct 5 06:19 cronjob_bandit22
-rw-r--r-- 1 root root 122 Oct 5 06:19 cronjob_bandit23
-rw-r--r-- 1 root root 120 Oct 5 06:19 cronjob_bandit24
-rw-r--r-- 1 root root 62 Oct 5 06:19 cronjob_bandit25_root
-rw-r--r-- 1 root root 201 Jan 8 2022 e2scrub_all
-rwx----- 1 root root 52 Oct 5 06:20 otw-tmp-dir
-rw-r--r-- 1 root root 396 Feb 2 2021 sysstat
bandit21@bandit:~$ cat /etc/cron.d/cronjob_bandit22
@reboot bandit22 /usr/bin/cronjob_bandit22.sh &> /dev/null
* * * * * bandit22 /usr/bin/cronjob_bandit22.sh &> /dev/null
bandit21@bandit:~$ cat /usr/bin/cronjob_bandit22.sh
#!/bin/bash
chmod 644 /tmp/t706lds9S0RqQh9aMcz6ShpAoZKF7fgv
cat /etc/bandit_pass/bandit22 > /tmp/t706lds9S0RqQh9aMcz6ShpAoZKF7fgv
bandit21@bandit:~$ cat /tmp/t706lds9S0RqQh9aMcz6ShpAoZKF7fgv
WdDozAdTM2z9DiFEQ2mGlwngMfj4EZff
bandit21@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.

(root@kali)-[/home/alaia]
# ssh bandit22@bandit.labs.overthewire.org -p 2220
```

password: **WdDozAdTM2z9DiFEQ2mGlwngMfj4EZff**

Level 22

[illegible]

password: QYw0Y2aiA672PsMmh9puTQuhoz8SyR2G

Level 23

```
bandit23@bandit:~$ cat /etc/cron.d/cronjob_bandit24
@reboot bandit24 /usr/bin/cronjob_bandit24.sh &> /dev/null
* * * * * bandit24 /usr/bin/cronjob_bandit24.sh &> /dev/null
bandit23@bandit:~$ cat /usr/bin/cronjob_bandit24.sh
#!/bin/bash

myname=$(whoami)

cd /var/spool/$myname/foo
echo "Executing and deleting all scripts in /var/spool/$myname/foo:"
for i in * .*;
do
    if [ "$i" != "." -a "$i" != ".." ];
    then
        echo "Handling $i"
        owner="$(stat --format "%U" ./$i)"
        if [ "${owner}" = "bandit23" ]; then
            timeout -s 9 60 ./$i
        fi
        rm -f ./$i
    fi
done
```

```
bandit23@bandit:~$ mktemp -d
/tmp/tmp.yRU8mPUsy4
bandit23@bandit:~$ touch /tmp/tmp.yRU8mPUsy4/password
```

```
bandit23@bandit:~$ cd /tmp/tmp.yRU8mPUsy4/
```

```
bandit23@bandit:/tmp/tmp.yRU8mPUsy4$ cat >> script.sh
#!/bin/bash
cat /etc/bandit_pass/bandit24 > /tmp/tmp.yRU8mPUsy4/password
```

```
bandit23@bandit:/tmp/tmp.yRU8mPUsy4$ ls -l
total 4
-rw-rw-r-- 1 bandit23 bandit23 0 Oct 12 22:47 password
-rw-rw-r-- 1 bandit23 bandit23 73 Oct 12 22:47 script.sh
bandit23@bandit:/tmp/tmp.yRU8mPUsy4$ chmod 777 script.sh
```

```
bandit23@bandit:/var/spool/bandit24$ chmod 777 /tmp/tmp.yRU8mPUsy4/password
```

```
bandit23@bandit:/tmp/tmp.yRU8mPUsy4$ cp script.sh /var/spool/bandit24/foo/
```

```
bandit23@bandit:/var/spool/bandit24/foo$ ls -l /tmp/tmp.yRU8mPUsy4/
total 8
-rwxrwxrwx 1 bandit23 bandit23 33 Oct 12 23:03 password
-rwxrwxrwx 1 bandit23 bandit23 73 Oct 12 22:47 script.sh
bandit23@bandit:/var/spool/bandit24/foo$ cat /tmp/tmp.yRU8mPUsy4/password
VAfGXJ1PBSsPSnvsjI8p759leLZ9GGar
```

password: VAfGXJ1PBSsPSnvsjI8p759leLZ9GGar

Level 24

```
bandit24@bandit:~$ nc localhost 30002
I am the pincode checker for user bandit25. Please enter the password for use
r bandit24 and the secret pincode on a single line, separated by a space.
VAfGXJ1PBSsPSnvsjI8p759leLZ9GGar 0000
Wrong! Please enter the correct pincode. Try again.
```

```
for i in {0000..9999}; do echo "VAfGXJ1PBSsPSnvsjl8p759leLZ9GGar $i"; done | nc localhost 30002 | grep -v Wrong
```

```
bandit24@bandit:~$ for i in {0000..9999}; do echo "VafGXj1PBsSPsnvsj18p759leLZ9GGar $i"; done | nc localhost 30002 | grep -v Wrong
I am the pincode checker for user bandit25. Please enter the password for user bandit24 and the secret pincode on a single line, separated by a space.
Correct!
The password of user bandit25 is p7TaowMYrmu230l8hiZh9UvD009hpx8d
```

password: **p7TaowMYrmu23Ol8hiZh9UvD0O9hpx8d**

Level 25

```
bandit25@bandit:~$ ls
bandit26.sshkey
bandit25@bandit:~$ ssh bandit26@localhost -p 2220 -i bandit26.sshkey
The authenticity of host '[localhost]:2220 ([127.0.0.1]:2220)' can't be established.
ED25519 key fingerprint is SHA256:C2ihUBV7ihnV1wUXRb4RrEcLFXC5CXlhmAAM/urcrLY.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Could not create directory '/home/bandit25/.ssh' (Permission denied).
Failed to add the host to the list of known hosts (/home/bandit25/.ssh/known_hosts).
```

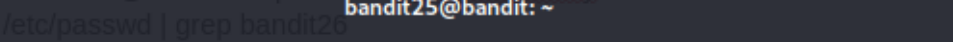
```
bandit25@bandit:~$ cat /etc/passwd | grep bandit26
bandit26:x:11026:11026:bandit level 26:/home/bandit26:/usr/bin/showtext
bandit25@bandit:~$ cat /etc/passwd | grep bandit25
bandit25:x:11025:11025:bandit level 25:/home/bandit25:/bin/bash
```

```
bandit25@bandit:~$ cat /usr/bin/showtext
#!/bin/sh

export TERM=linux

exec more ~/text.txt
exit 0
```

```
bandit25@bandit:~$ ssh bandit26@localhost -p 2220 -i bandit26.sshkey
```



bandit25@bandit: ~
File Actions Edit View Help
ssh bandit26@localhost -p 2220 -i bandit26.sshkey
cat /etc/passwd | grep bandit26
BILLY
-- More -- (66%)

```
~  
"/etc/bandit_pass/bandit26" [readonly] 1L, 33B
```

c7GvcKlw9mC7aUQaPx7nwFstuAIBw1o1

```
~  
:set shell=/bin/bash
```

```
~  
:shell
```

password: **c7GvcKlw9mC7aUQaPx7nwFstuAIBw1o1**

Level 26

```
bandit26@bandit:~$ cat /etc/bandit_pass/bandit26  
c7GvcKlw9mC7aUQaPx7nwFstuAIBw1o1
```

```
bandit26@bandit:~$ ./bandit27-do  
Run a command as another user.  
Example: ./bandit27-do id  
bandit26@bandit:~$ ./bandit27-do id  
uid=11026(bandit26) gid=11026(bandit26) euid=11027(bandit27) groups=11026(bandit26)  
bandit26@bandit:~$ ./bandit27-do cat /etc/bandit_pass/bandit27  
YnQpBuifNMas1hcUFk70ZmqkhUU2EuaS
```

password: **YnQpBuifNMas1hcUFk70ZmqkhUU2EuaS**

Level 27

```
bandit27@bandit:~$ mkdir -p /tmp/tmp.55cMTFS3Cm  
bandit27@bandit:~$ cd /tmp/tmp.55cMTFS3Cm
```

```
bandit27@bandit:/tmp/tmp.55cMTFS3Cm$ git clone ssh://bandit27-git@localhost:2220/home/bandit27-git/repo  
Cloning into 'repo' ...  
The authenticity of host '[localhost]:2220 ([127.0.0.1]:2220)' can't be established
```

```
bandit27@bandit:/tmp/tmp.55cMTFS3Cm$ cd repo/
bandit27@bandit:/tmp/tmp.55cMTFS3Cm/repo$ ls
README
bandit27@bandit:/tmp/tmp.55cMTFS3Cm/repo$ cat README
The password to the next level is: AVanL161y9rsbcJIsFHuw35rjaOM19nR
bandit27@bandit:/tmp/tmp.55cMTFS3Cm/repo$ exit
logout
Connection to bandit.labs.overthewire.org closed.
```

```
(root@kali)-[/home/alaia]
# ssh bandit28@bandit.labs.overthewire.org -p 2220
```

OverTheWire

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

bandit28@bandit.labs.overthewire.org's password:

OverTheWire

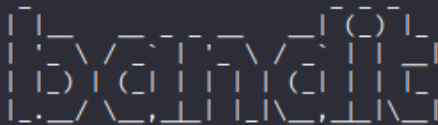
www. ver he ire.org

Welcome to OverTheWire!

password: **AVanL161y9rsbcJIsFHuw35rjaOM19nR**

Level 28

```
bandit28@bandit:~$ mktemp -d
/tmp/tmp.RFFcpzvA2g
bandit28@bandit:~$ cd /tmp/tmp.RFFcpzvA2g
bandit28@bandit:/tmp/tmp.RFFcpzvA2g$ git clone ssh://bandit28-git@localhost:2220/home/bandit28-git/repo
Cloning into 'repo' ...
The authenticity of host '[localhost]:2220 ([127.0.0.1]:2220)' can't be established.
ED25519 key fingerprint is SHA256:C2ihUBV7ihnV1wUXRb4RrEcLfXC5CXlhmaAM/urerLY.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Could not create directory '/home/bandit28/.ssh' (Permission denied).
Failed to add the host to the list of known hosts (/home/bandit28/.ssh/known_hosts)
.
```



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

```
bandit28-git@localhost's password:
remote: Enumerating objects: 9, done.
remote: Counting objects: 100% (9/9), done.
remote: Compressing objects: 100% (6/6), done.
remote: Total 9 (delta 2), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (9/9), done.
Resolving deltas: 100% (2/2), done.
bandit28@bandit:/tmp/tmp.RFFcpzvA2g$ cd repo/
bandit28@bandit:/tmp/tmp.RFFcpzvA2g/repo$ ls
README.md
bandit28@bandit:/tmp/tmp.RFFcpzvA2g/repo$ cat README.md
# Bandit Notes
Some notes for level29 of bandit.

## credentials

- username: bandit29
- password: xxxxxxxxxxxx
```



```

bandit28@bandit:/tmp/tmp.RFFcpzvA2g/repo$ git log
commit 14f754b3ba6531a2b89df6ccae6446e8969a41f3 (HEAD → master, origin/master, origin/HEAD)
Author: Morla Porla <morla@overthewire.org>
Date: Thu Oct 5 06:19:41 2023 +0000

    fix info leak

commit f08b9cc63fa1a4602fb065257633c2dae6e5651b
Author: Morla Porla <morla@overthewire.org>
Date: Thu Oct 5 06:19:41 2023 +0000

    add missing data

commit a645bcc508c63f081234911d2f631f87cf469258
Author: Ben Dover <noone@overthewire.org>
Date: Thu Oct 5 06:19:41 2023 +0000

    initial commit of README.md
bandit28@bandit:/tmp/tmp.RFFcpzvA2g/repo$ git show 14f754b3ba6531a2b89df6ccae6446e8969a41f3
commit 14f754b3ba6531a2b89df6ccae6446e8969a41f3 (HEAD → master, origin/master, origin/HEAD)
Author: Morla Porla <morla@overthewire.org>
Date: Thu Oct 5 06:19:41 2023 +0000

    fix info leak

diff --git a/README.md b/README.md
index b302105..5c6457b 100644
--- a/README.md
+++ b/README.md
@@ -4,5 +4,5 @@ Some notes for level29 of bandit.
## credentials

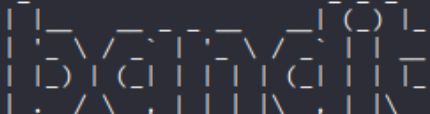
- username: bandit29
-- password: tQKvmcwNYcFS6vmPHIUSI3ShmsrQZK8S
+- password: xxxxxxxxxx

```

password: tQKvmcwNYcFS6vmPHIUSI3ShmsrQZK8S

Level 29

```
bandit29@bandit:~$ mktemp -d
/tmp/tmp.I8BH85Z7m0
bandit29@bandit:~$ cd /tmp/tmp.I8BH85Z7m0
bandit29@bandit:/tmp/tmp.I8BH85Z7m0$ git clone ssh://bandit29-git@localhost:2220/home/bandit29-git/repo
Cloning into 'repo'...
The authenticity of host '[localhost]:2220 ([127.0.0.1]:2220)' can't be established
ED25519 key fingerprint is SHA256:C2ihUBV7ihnV1wUXRb4RrEcLfXC5CXlhmaAM/urerLY.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Could not create directory '/home/bandit29/.ssh' (Permission denied).
Failed to add the host to the list of known hosts (/home/bandit29/.ssh/known_hosts)
.
```



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

```
bandit29-git@localhost's password:
remote: Enumerating objects: 16, done.
remote: Counting objects: 100% (16/16), done.
remote: Compressing objects: 100% (11/11), done.
remote: Total 16 (delta 2), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (16/16), done.
Resolving deltas: 100% (2/2), done.
bandit29@bandit:/tmp/tmp.I8BH85Z7m0$ cd repo/
bandit29@bandit:/tmp/tmp.I8BH85Z7m0/repo$ ls
README.md
bandit29@bandit:/tmp/tmp.I8BH85Z7m0/repo$ cat README.md
# Bandit Notes
Some notes for bandit30 of bandit.

## credentials

- username: bandit30
- password: <no passwords in production!>
```

```

bandit29@bandit:/tmp/tmp.I8BH85Z7m0/repo$ git branch -a
* (HEAD detached at origin/master)
  master
  remotes/origin/HEAD -> origin/master
  remotes/origin/dev
  remotes/origin/master
  remotes/origin/spl0its-dev
bandit29@bandit:/tmp/tmp.I8BH85Z7m0/repo$ git checkout remotes/origin/dev
Previous HEAD position was 4364630
HEAD is now at 1d160de add data needed for development
bandit29@bandit:/tmp/tmp.I8BH85Z7m0/repo$ git log
commit 1d160de5f8f647f00634bbf3d49b9244275217b6 (HEAD, origin/dev)
Author: Morla Porla <morla@overthewire.org>
Date: Thu Oct 5 06:19:43 2023 +0000

    add data needed for development

commit 73d0f769233ffc2f59595412e22f41afc6218c04
Author: Ben Dover <noone@overthewire.org>
Date: Thu Oct 5 06:19:43 2023 +0000

    add gif2ascii

commit 4364630b3b27c92aff7b36de7bb6ed2d30b60f88 (origin/master, origin/HEAD, master)
Author: Ben Dover <noone@overthewire.org>
Date: Thu Oct 5 06:19:43 2023 +0000

    fix username

commit fca34ddb7d1ff1f78df36538252aea650b0b040d
Author: Ben Dover <noone@overthewire.org>
Date: Thu Oct 5 06:19:43 2023 +0000

    initial commit of README.md
bandit29@bandit:/tmp/tmp.I8BH85Z7m0/repo$ git show 1d160de5f8f647f00634bbf3d49b9244275217b6
commit 1d160de5f8f647f00634bbf3d49b9244275217b6 (HEAD, origin/dev)
Author: Morla Porla <morla@overthewire.org>
Date: Thu Oct 5 06:19:43 2023 +0000

    add data needed for development

diff --git a/README.md b/README.md
index 1af21d3..a4b1cf1 100644
--- a/README.md
+++ b/README.md
@@ -4,5 +4,5 @@ Some notes for bandit30 of bandit.
 ## credentials

- username: bandit30
+- password: <no passwords in production!>
+- password: xbhV3HpNGlTIdnjUrdAlPzc2L6y9EOOnS

```

password: xbhV3HpNGlTIdnjUrdAlPzc2L6y9EOOnS

Level 30

```
bandit30@bandit:~$ mktemp -d
/tmp/tmp.h0yvNZReJT
bandit30@bandit:~$ cd /tmp/tmp.h0yvNZReJT
bandit30@bandit:/tmp/tmp.h0yvNZReJT$ git clone ssh://bandit30-git@localhost:2220/home/bandit30-git/repo
Cloning into 'repo'...
The authenticity of host '[localhost]:2220 ([127.0.0.1]:2220)' can't be established.
ED25519 key fingerprint is SHA256:C2ihUBV7ihnV1wUXRb4RrEcLfXC5CXlhmAAM/urerLY.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Could not create directory '/home/bandit30/.ssh' (Permission denied).
Failed to add the host to the list of known hosts (/home/bandit30/.ssh/known_hosts).

  _____
 |  _   _  |
 | | | | | |
 | |_| | | |
 |  _  | | |
 | | | | | |
 |_____|_|_|

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

bandit30-git@localhost's password:
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (4/4), done.
bandit30@bandit:/tmp/tmp.h0yvNZReJT$ cd repo/
bandit30@bandit:/tmp/tmp.h0yvNZReJT/repo$ ls -a
.  ..  .git  README.md
bandit30@bandit:/tmp/tmp.h0yvNZReJT/repo$ cat README.md
just an empty file ... muahaha
```

```
git show 14f754b3ba6531a2b89df
tQKvmcwNYcFS6vmPHIUSI3Sh
```

Level 29

```
mktemp -d
/tmp/tmp.i8BH85Z7mO
cd /tmp/tmp.i8BH85Z7mO
git clone ssh://bandit29-git@localhost
cd repo
cat README.md
git branch -a
git checkout remotes/origin/dev
git log
git show 1d160de5f8f647f00634bl
password: xbhV3HpNGITidnjUrd
```

Level 30

```
mktemp -d
/tmp/tmp.h0yvNZReJT
cd /tmp/tmp.h0yvNZReJT
git clone ssh://bandit30-git@localhost
cd repo
```

```
bandit30@bandit:/tmp/tmp.h0yvNZReJT/repo$ git tag
secret Fichier Edition Affichage Insertion Format Outils Extensions A
bandit30@bandit:/tmp/tmp.h0yvNZReJT/repo$ git show secret
OoffzGDIzhAlerFJ2cAiz1D41JW1Mhmt
bandit30@bandit:/tmp/tmp.h0yvNZReJT/repo$ exit
logout
Connection to bandit.labs.overthewire.org closed.
```

```
(root@kali)-[/home/alaia]
# ssh bandit31@bandit.labs.overthewire.org -p 2220
```

OverTheWire

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

bandit31@bandit.labs.overthewire.org's password:

OverTheWire

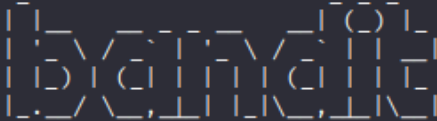
www. ver he ire.org

Welcome to OverTheWire!

password: **OoffzGDIzhAlerFJ2cAiz1D41JW1Mhmt**

Level 31

```
bandit31@bandit:~$ mktemp -d /tmp/tmp.Gu4iSjMdDv
bandit31@bandit:~$ cd /tmp/tmp.Gu4iSjMdDv
bandit31@bandit:/tmp/tmp.Gu4iSjMdDv$ git clone ssh://bandit31-git@localhost:2220/home/bandit31-git/repo
Cloning into 'repo' ...
The authenticity of host '[localhost]:2220 ([127.0.0.1]:2220)' can't be established.
ED25519 key fingerprint is SHA256:C2ihUBV7ihnV1wUXRb4RrEcLfXC5CXlhmAAM/urerLY.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Could not create directory '/home/bandit31/.ssh' (Permission denied).
Failed to add the host to the list of known hosts (/home/bandit31/.ssh/known_hosts)
.
```



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

```
bandit31-git@localhost's password:
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (4/4), done.
bandit31@bandit:/tmp/tmp.Gu4iSjMdDv$ cd repo/
bandit31@bandit:/tmp/tmp.Gu4iSjMdDv/repo$ cat README.md
This time your task is to push a file to the remote repository.

Details:
File name: key.txt
Content: 'May I come in?'
Branch: master
```

```
bandit31@bandit:/tmp/tmp.Gu4iSjMdDv/repo$ echo "May I come in?" > key.txt
bandit31@bandit:/tmp/tmp.Gu4iSjMdDv/repo$ ls
key.txt  README.md
bandit31@bandit:/tmp/tmp.Gu4iSjMdDv/repo$ git status
On branch master
Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean
```

```
bandit31@bandit:/tmp/tmp.Gu4iSjMdDv/repo$ cat .gitignore
*.txt
bandit31@bandit:/tmp/tmp.Gu4iSjMdDv/repo$ rm .gitignore
bandit31@bandit:/tmp/tmp.Gu4iSjMdDv/repo$ git status
On branch master
Your branch is up to date with 'origin/master'.

Changes not staged for commit:
  (use "git add/rm <file> ..." to update what will be committed)
  (use "git restore <file> ..." to discard changes in working directory)
        deleted:    .gitignore

Untracked files:
  (use "git add <file> ..." to include in what will be committed)
        key.txt
```

```
bandit31@bandit:/tmp/tmp.Gu4iSjMdDv/repo$ git add .gitignore key.txt
bandit31@bandit:/tmp/tmp.Gu4iSjMdDv/repo$ git status
On branch master
Your branch is up to date with 'origin/master'.

Changes to be committed:
  (use "git restore --staged <file> ..." to unstage)
        deleted:    .gitignore
        new file:   key.txt

bandit31@bandit:/tmp/tmp.Gu4iSjMdDv/repo$ git commit -m "adding key.txt"
[master eda889d] adding key.txt
2 files changed, 1 insertion(+), 1 deletion(-)
delete mode 100644 .gitignore
create mode 100644 key.txt
bandit31@bandit:/tmp/tmp.Gu4iSjMdDv/repo$ git push
```

```

remote: Well done! Here is the password for the next level:
remote: rmCBvG56y58BXzv98yZGdO7ATVL5dW8y
remote:
remote: .oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.
remote:
To ssh://localhost:2220/home/bandit31-git/repo
! [remote rejected] master -> master (pre-receive hook declined)
error: failed to push some refs to 'ssh://localhost:2220/home/bandit31-git/repo'
bandit31@bandit:/tmp/tmp.Gu4iSjMdDv/repo$ exit
logout
Connection to bandit.labs.overthewire.org closed.

(root@kali)-[/home/alaia]
# ssh bandit32@bandit.labs.overthewire.org -p 2220

      _ _ _ _ _
     / /   / /
    / /   / /
   / /   / /
  / /   / /
 / /   / /
/_/_/_/_/_

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

bandit32@bandit.labs.overthewire.org's password:

      _ _ _ _ _
     / /   / /
    / /   / /
   / /   / /
  / /   / /
 / /   / /
/_/_/_/_/_

www.      ver      he      ire.org

Welcome to OverTheWire!

```

password: **rmCBvG56y58BXzv98yZGdO7ATVL5dW8y**

Level 32

```
>> $0 Cours OverTheWire ☆ 📁 ☁
$ ls
uppershellier Édition Affichage Insertion Format Outils Extensions A
$ pwd
/home/bandit32
$ cat /etc/bandit_pass/bandit33
odHo63fHiFqcWWJG9rLiLDtPm45KzUKy
$ exit
>> exit
sh: 1: EXIT: Permission denied
>> ^CConnection to bandit.labs.overthewire.org closed.
```

```
(root@kali)-[/home/alaia]
# ssh bandit33@bandit.labs.overthewire.org -p 2220
```

bandit

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

bandit33@bandit.labs.overthewire.org's password:

OverTheWire

www. ver he ire.org

Welcome to OverTheWire!

password: **odHo63fHiFqcWWJG9rLiLDtPm45KzUKy**

Level 33

```
bandit33@bandit:~$ ls
README.txt
bandit33@bandit:~$ cat README.txt
Congratulations on solving the last level of this game!

At this moment, there are no more levels to play in this game. However, we are constantly working
on new levels and will most likely expand this game with more levels soon.
Keep an eye out for an announcement on our usual communication channels!
In the meantime, you could play some of our other wargames.

If you have an idea for an awesome new level, please let us know!
```