

Level 0 Password: bandit0

```
bandit1@bandit: ~
File Actions Edit View Help
(harshit@harshita) [~]
$ 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:
[|_| \ / - - - - \ / ( ) | |
| ( ) | ( ) | | | ( ) | | | |
| . / \ , | | | | | | | | | |
```

Level 0 > Level 1 Password: NH2SXQwcBdpmTEzi3bvBHMM9H66vVXjL

Level 1 > Level 2 Password: rRGizSaX8Mk1RTb1CNQoXTcYZWU6lgzi

```
harshitan@harshita:~
```

File Actions Edit View Help

Both python2 and python3 are installed.

--[More information]--

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

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

Enjoy your stay!

```
bandit1@bandit:~$ ls
```

```
-
```

```
bandit1@bandit:~$ cat < rRGizSaX8Mk1RTb1CNQoXTcYZWU6lgzi
```

```
bandit1@bandit:~$ exit
```

logout

Connection to bandit.labs.overthewire.org closed.

```
(harshitan@harshita)-[~]
```

```
$ ssh bandit2@bandit.labs.overthewire.org -p 2220
```

[ASCII Art: A 4x4 grid of symbols representing a map or path.]

"the quieter you become, the more you are heard"

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

bandit2@bandit.labs.overthewire.org's password:

[ASCII Art: A 4x4 grid of symbols representing a map or path.]

Level 2 > Level 3 Password: aBZ0W5EmUfAf7kHTQeOwd8bauFJ2lAiG

```
bandit3@bandit:~
```

File Actions Edit View Help

Both python2 and python3 are installed.

--[More information]--

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

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

Enjoy your stay!

```
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.

```
(harshitan@harshita)-[~]
```

```
$ ssh bandit3@bandit.labs.overthewire.org -p 2220
```

[ASCII Art: A 4x4 grid of symbols representing a map or path.]

"the quieter you become, the more you are heard"

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

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

[ASCII Art: A 4x4 grid of symbols representing a map or path.]

Level 3 > Level 4 Password: 2EW7BBSr6aMMoJ2HjW067dm8EgX26xNe

```
[bandit3@bandit:~]$ ls
inhere
[bandit3@bandit:~]$ cat inhere
cat: inhere: Is a directory
[bandit3@bandit:~]$ cd inhere/
[bandit3@bandit:~/inhere]$ ls -a
. .. .hidden
[bandit3@bandit:~/inhere]$ cat .hidden
2EW7BBSr6aMMoJ2HjW067dm8EgX26xNe
[bandit3@bandit:~/inhere]$ exit
logout
Connection to bandit.labs.overthewire.org closed.

(harshit@harshita)-[~]
$ ssh bandit4@bandit.labs.overthewire.org -p 2220
[  ] [  ] [  ] [  ] [  ]
[  ] [  ] [  ] [  ] [  ] you become, the mo
[  ] [  ] [  ] [  ] [  ]
[  ] [  ] [  ] [  ] [  ]

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

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

Level 4 > Level 5 Password: lrIWWI6bB37kxfiCQZqUdOIJfr6eEeqR

```
[bandit4@bandit:~]$ ls
inhere
[bandit4@bandit:~]$ cd inhere/
[bandit4@bandit:~/inhere]$ ls -la
total 48
drwxr-xr-x 2 root root 4096 Apr 23 18:04 .
drwxr-xr-x 3 root root 4096 Apr 23 18:04 ..
-rw-r----- 1 bandit5 bandit5 33 Apr 23 18:04 -file00
-rw-r----- 1 bandit5 bandit5 33 Apr 23 18:04 -file01
-rw-r----- 1 bandit5 bandit5 33 Apr 23 18:04 -file02
-rw-r----- 1 bandit5 bandit5 33 Apr 23 18:04 -file03
-rw-r----- 1 bandit5 bandit5 33 Apr 23 18:04 -file04
-rw-r----- 1 bandit5 bandit5 33 Apr 23 18:04 -file05
-rw-r----- 1 bandit5 bandit5 33 Apr 23 18:04 -file06
-rw-r----- 1 bandit5 bandit5 33 Apr 23 18:04 -file07
-rw-r----- 1 bandit5 bandit5 33 Apr 23 18:04 -file08
-rw-r----- 1 bandit5 bandit5 33 Apr 23 18:04 -file09
[bandit4@bandit:~/inhere]$ file ./
./file00: data
./file01: data
./file02: data
./file03: data
./file04: data
./file05: data
./file06: data
./file07: ASCII text
./file08: data
./file09: Non-ISO extended-ASCII text, with no line terminators
[bandit4@bandit:~/inhere]$ cat ./file07
lrIWWI6bB37kxfiCQZqUdOIJfr6eEeqR
[bandit4@bandit:~/inhere]$ exit
logout
Connection to bandit.labs.overthewire.org closed.

(harshit@harshita)-[~]
$ ssh bandit5@bandit.labs.overthewire.org -p 2220
[  ] [  ] [  ] [  ] [  ]
[  ] [  ] [  ] [  ] [  ] you become, the mo
[  ] [  ] [  ] [  ] [  ]
[  ] [  ] [  ] [  ] [  ]

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

bandit5@bandit.labs.overthewire.org's password:
```

Level 5 > Level 6 Password: P4L4vucdmLnm8I7Vl7jG1ApGSfjYKqJU

```
harshitan@harshita: ~
File Actions Edit View Help

bandit5@bandit:~$ ls
inhere
bandit5@bandit:~$ cd inhere/
bandit5@bandit:~/inhere$ ls -la
total 88
drwxr-x-- 22 root bandit5 4096 Apr 23 18:04 .
drwxr-xr-x  3 root root 4096 Apr 23 18:04 ..
drwxr-x--  2 root bandit5 4096 Apr 23 18:04 maybehere00
drwxr-x--  2 root bandit5 4096 Apr 23 18:04 maybehere01
drwxr-x--  2 root bandit5 4096 Apr 23 18:04 maybehere02
drwxr-x--  2 root bandit5 4096 Apr 23 18:04 maybehere03
drwxr-x--  2 root bandit5 4096 Apr 23 18:04 maybehere04
drwxr-x--  2 root bandit5 4096 Apr 23 18:04 maybehere05
drwxr-x--  2 root bandit5 4096 Apr 23 18:04 maybehere06
drwxr-x--  2 root bandit5 4096 Apr 23 18:04 maybehere07
drwxr-x--  2 root bandit5 4096 Apr 23 18:04 maybehere08
drwxr-x--  2 root bandit5 4096 Apr 23 18:04 maybehere09
drwxr-x--  2 root bandit5 4096 Apr 23 18:04 maybehere10
drwxr-x--  2 root bandit5 4096 Apr 23 18:04 maybehere11
drwxr-x--  2 root bandit5 4096 Apr 23 18:04 maybehere12
drwxr-x--  2 root bandit5 4096 Apr 23 18:04 maybehere13
drwxr-x--  2 root bandit5 4096 Apr 23 18:04 maybehere14
drwxr-x--  2 root bandit5 4096 Apr 23 18:04 maybehere15
drwxr-x--  2 root bandit5 4096 Apr 23 18:04 maybehere16
drwxr-x--  2 root bandit5 4096 Apr 23 18:04 maybehere17
drwxr-x--  2 root bandit5 4096 Apr 23 18:04 maybehere18
drwxr-x--  2 root bandit5 4096 Apr 23 18:04 maybehere19
bandit5@bandit:~/inhere$ ls -la maybehere00
total 72
drwxr-x--  2 root bandit5 4096 Apr 23 18:04 .
drwxr-x-- 22 root bandit5 4096 Apr 23 18:04 ..
-rwxr-x--  1 root bandit5 1039 Apr 23 18:04 -file1
-rwxr-x--  1 root bandit5 551 Apr 23 18:04 .file1
-rw-r----- 1 root bandit5 9388 Apr 23 18:04 -file2
-rw-r----- 1 root bandit5 7836 Apr 23 18:04 .file2
-rwxr-x--  1 root bandit5 7378 Apr 23 18:04 -file3
-rwxr-x--  1 root bandit5 4802 Apr 23 18:04 .file3
-rwxr-x--  1 root bandit5 6118 Apr 23 18:04 spaces file1
-rw-r----- 1 root bandit5 6850 Apr 23 18:04 spaces file2
-rwxr-x--  1 root bandit5 1915 Apr 23 18:04 spaces file3
```

```
harshitan@harshita: ~
File Actions Edit View Help

bandit5@bandit:~$ ls
inhere
bandit5@bandit:~$ cd inhere/
bandit5@bandit:~/inhere$ ls -la
total 64
drwxr-x-- 22 root bandit5 4096 Apr 23 18:04 .
drwxr-x-- 22 root bandit5 4096 Apr 23 18:04 ..
-rwxr-x--  1 root bandit5 2346 Apr 23 18:04 -file1
-rwxr-x--  1 root bandit5 3201 Apr 23 18:04 -file1
-rw-r----- 1 root bandit5 5959 Apr 23 18:04 -file2
-rw-r----- 1 root bandit5 5917 Apr 23 18:04 -file2
-rwxr-x--  1 root bandit5 2572 Apr 23 18:04 -file3
-rwxr-x--  1 root bandit5 4585 Apr 23 18:04 -file3
-rwxr-x--  1 root bandit5 880 Apr 23 18:04 spaces file1
-rw-r----- 1 root bandit5 2420 Apr 23 18:04 spaces file2
-rwxr-x--  1 root bandit5 8585 Apr 23 18:04 spaces file3
bandit5@bandit:~/inhere$ ls -la maybehere06
total 56
drwxr-x--  2 root bandit5 4096 Apr 23 18:04 .
drwxr-x-- 22 root bandit5 4096 Apr 23 18:04 ..
-rwxr-x--  1 root bandit5 3663 Apr 23 18:04 -file1
-rwxr-x--  1 root bandit5 3065 Apr 23 18:04 -file1
-rw-r----- 1 root bandit5 2488 Apr 23 18:04 -file2
-rw-r----- 1 root bandit5 1033 Apr 23 18:04 .file2
-rwxr-x--  1 root bandit5 3362 Apr 23 18:04 -file3
-rwxr-x--  1 root bandit5 1997 Apr 23 18:04 -file3
-rwxr-x--  1 root bandit5 4130 Apr 23 18:04 spaces file1
-rwxr-x--  1 root bandit5 9064 Apr 23 18:04 spaces file2
-rwxr-x--  1 root bandit5 1022 Apr 23 18:04 spaces file3
bandit5@bandit:~/inhere$ cat ./maybehere07/file2
cat: ./maybehere07/file2: No such file or directory
bandit5@bandit:~/inhere$ cat ./maybehere07/file2
P4L4vucdmLnm8I7Vl7jG1ApGSfjYKqJU
```

```
bandit6@bandit: ~
File Actions Edit View Help

bandit5@bandit:~/inhere$ cat ./maybehere07/file2
cat: ./maybehere07/file2: No such file or directory
bandit5@bandit:~/inhere$ cat ./maybehere07/file2
P4L4vucdmLnm8I7Vl7jG1ApGSfjYKqJU

File System
Home
bandit5@bandit:~/inhere$ exit
logout
Connection to bandit.labs.overthewire.org closed.

(harshitan@harshita) [~]
$ ssh bandit6@bandit.labs.overthewire.org -p 2220
This is an OverTheWire game server.
More information on http://www.overthewire.org/wargames
bandit6@bandit.labs.overthewire.org's password:
```

Level 6 > Level 7 Password: z7WtoNQU2XfjmMtWA8u5rN4vzqu4v99S

```
bandit6@bandit:~$ ls
ff02::1          ip6-localhost
ff02::2          ip6-localnet
bandit6@bandit:~$ ls -a
. .. .bash_logout .bashrc .profile
bandit6@bandit:~$ find / -user bandit7 -group bandit6 -size 33c
find: '/var/log': Permission denied
find: '/var/crash': Permission denied
find: '/var/spool/syslog': Permission denied
find: '/var/spool/bandit24': Permission denied
find: '/var/spool/cron/crontabs': Permission denied
find: '/var/tmp': Permission denied
find: '/var/lib/polkit-1': Permission denied
/var/lib/dpkg/info/bandit7.password
find: '/var/lib/chrony': Permission denied
find: '/var/lib/apt/lists/partial': Permission denied
find: '/var/lib/amazon': Permission denied
find: '/var/lib/update-notifier/package-data-downloads/partial': Permission denied
find: '/var/lib/snappy/void': Permission denied
find: '/var/lib/snappy/cookie': Permission denied
find: '/var/lib/ubuntu-advantage/apt-esm/var/lib/apt/lists/partial': Permission denied
find: '/var/lib/private': Permission denied
find: '/var/snap/lxd/common/lxd': Permission denied
find: '/var/cache/ldconfig': Permission denied
find: '/var/cache/apt/archives/partial': Permission denied
find: '/var/cache/pollinate': Permission denied
find: '/var/cache/private': Permission denied
find: '/var/cache/apparmor/aadd844e.0': Permission denied
find: '/var/cache/apparmor/8eeb6286.0': Permission denied
find: '/drifter/drifter14_src/axTLS': Permission denied
find: '/home/bandit29-git': Permission denied
find: '/home/drifter6/data': Permission denied
find: '/home/bandit28-git': Permission denied
find: '/home/drifter8/chroot': Permission denied
find: '/home/ubuntu': Permission denied
find: '/home/bandit5/inhere': Permission denied
find: '/home/bandit27-git': Permission denied
find: '/home/bandit30-git': Permission denied
find: '/home/bandit31-git': Permission denied
find: '/boot/efi': Permission denied
find: '/proc/tty/driver': Permission denied
```

```
bandit7@bandit:~$ ls
File Actions Edit View Help
find: '/run/user/11006/systemd/inaccessible/dir': Permission denied
find: '/run/user/11005': Permission denied
find: '/run/sudo': Permission denied
find: '/run/screen/S-bandit20': Permission denied
find: '/run/screen/S-bandit21': Permission denied
find: '/run/multipath': Permission denied
find: '/run/cryptsetup': Permission denied
find: '/run/lvm': Permission denied
find: '/run/credentials/systemd-sysusers.service': Permission denied
find: '/run/systemd/propagate': Permission denied
find: '/run/systemd/unit-root': Permission denied
find: '/run/systemd/inaccessible/dir': Permission denied
find: '/run/lock/lvm': Permission denied
find: '/root': Permission denied
find: '/sys/kernel/tracing': Permission denied
find: '/sys/kernel/debug': Permission denied
find: '/sys/fs/ptstore': Permission denied
find: '/sys/fs/bpf': Permission denied
bandit6@bandit:~$ cat var/lib/dpkg/info/bandit7.password
cat: var/lib/dpkg/info/bandit7.password: No such file or directory
bandit6@bandit:~$ cat /var/lib/dpkg/info/bandit7.password
z7WtoNQU2XfjmMtWA8u5rN4vzqu4v99S
bandit6@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.

(harshit@harshita) [~]
$ ssh bandit7@bandit.labs.overthewire.org -p 2220
[   |   \  / . - - \ / - ! [ \ ) - ]
| ( ) | ( ) | | | | ( ) | | | |
\_.-/ \_, ,_ | | \ \_, ,_ | \ \_ |
```

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

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

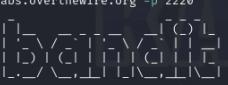
, — .. , — , . — .

Level 7 > Level 8 Password: TESKZC0XvTetK0S9xNwm25STk5iWrBvP

```
bandit7@bandit:~$ ls
data.txt
bandit7@bandit:~$ cat data.txt
Willard's         ctchpNP0RGAl4Whhszt3Mwv6qJHM8Et
midwife K9V92z0tUNufmA3jvoU0N2UKkz565
rookie LVU5es1JrjzirXQaSsuL07f7zbwduu
fezes Tw6vNvA5c3pq1R9yFvrstSxbhp5r6H
east 31BmP0vNWLsl6L09lCUQ075EDM0m7
preminence's  qmAHCxMawJx3vRHFhL9eNtEernoSHS
still R5R2z3zGf8d6K9uLdL9o9u3DzB
departmentalize 7N6JE3UfcfGtjhazkzXWIM5AyxWNFxq
kerchief 958xxrd8g8zRhp0eSuyM0b49rH01zpl
leper's Hqmq51oEfml52jcd655ZNxsdu677vpZ6v
Trident JFTX4MErPWi1WPEs43iQNr17x0SSD
satirists 7uiZh2Ar9wmpDwJyzeRipeHFBGJHSX
bullion 3Oh1bqkoxl3AOKJbxwZz5yNRclv
recuperative IbqEqk9jsD1bjotYC1vjf4qMHTbTs
entwined YBLFWvrlWt161hvnj3wNeG35cDTUKY0g
age 364uM01icf0KpY0m0R7Xr8q5v7a
sorghum's r50hWT0jn7VLCW3GnUhuzNx8smvLqu
naves XnC7ypauqX7b67H0amauFY1zB0W0mJ
steward's K16Si510p01xJcJzGyEvsvr30fHaabf
Sterne K5iktlwShOlyjxerTpupuSD29NBtLH
Reynolds A7Yh0t1jt2x997Jdc508yPrV2zts
stragglers BnnndPHBlaejqlzgVfD0eL47tss0u
Kuwaiti TFAkYhpcOrm0R7T28grexDS0w2gDWX
bayonet exQ2zh1N0cyg2q8DxMP1M0Xzq
advocatising FxuM01j5FU408nC9BjPv3EFCfIKeT7K4Gtmm254
scop 3z8zxDKDDNJUJY1rcA3r704y60bw41Mw0
larger C9ymPklcfFgsuH1Ws02odo61gAg0uR
votes IRVuIcveYmMEJUE5XCfcmkvMa6vvhxT
Luria's BxArxS2fmu51y01z08150ta2y2de1oK
Chartres's WquC84hvSYH5Jebm15fp8b0j2oOfgbMK
seismology 5chrP2o3efkF0XxaenP2tnrbUsusp
stationers Ogk3f1chXxSQk6dXg022T9ABACTVxeu
underbid gV0t0J2XrJPhs5sJ4uVMOsi1WRtF
bold A2F5hV0smtKObX7pL8immpuAyxDUcpz
```

```
bandit8@bandit:~$ ls
File Actions Edit View Help
mosquitos          0G3pbzLXMuRUZEplizpNl5IApDXdqBsM
cruel    Qp3diK3Mdqo3vbbhRFK6puAaIpVif
swampy   VL7A7WHcPiXB5XTJVaAWP0yPsyvMu
lunchtime's jGb8Dxtvju0ucFFFzrcGgmB0NaeaGJA1
requisition qRKJISXE2RsYemkkxEhEl3LuIQj3wbH1
complainant 2GG0lY9gb1Oqe8ZviamsKaInQ80vdKH
scattered Uco17ZiJpfmXUmxFGIVjXOpjtv51EWdtIB
dawdle lA7y0308v7gmxvWsyf95h0rc4owVHR
mastery's XWolopHm70577TOzyo8V5K5dhQeEV
graphs s1990KmzmpMu0wKdy72ggo5rkCxAA
crumbed FLLR0boco0tAFKHnyG75h0pcht2xxxW
newness's T1W7N0wT5i4uIC4xkp66arsUm2NFd97
Caesarean mKs51XFsz9R7qVprU7600590h78ACPw
bandit7@bandit:~$ man grep
bandit7@bandit:~$ grep millionth data.txt
millionth TESKZC0XvTetK0S9xNwm25STk5iWrBvP
bandit7@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.

[harshit@harshita)-[~]
$ 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:
```



Level 8 > Level 9 Password: EN632PlfYiZbn3PhVK3XOGS1NInNE00t

```
bandit9@bandit:~$ ls
data.txt
bandit9@bandit:~$ cat data.txt
QW1BjJhuQoMj0lCD9XNrktM1M94eIPMV
UkkkKIj0uVJG62d1TDFkBdPjptq2Sn7
ITQy9WlNs3t18wH29wYMLQjgPH9lNP
JddNNI02SaQkPHrrCcl7yTzArusoNwrt
0dEK1s0wTytc4vyrKpuG03ecWBsDDa9
yvtL2C3x6iw7XoluShoSiavxFUCsRsfg
QbKoeYoUQUmF0VagIzw3F2Gmu15
1pRbcU2vMhGMRBAv65HhLyEauDjtzh
JddNNI02SaQkPHrrCcl7yTzArusoNwrt
EN632PlFy1ZbnPnVX3X0GSLnInN0e0t
TixXMHCJEvOqyLxZhdMDpmfxr7orEU
08Jd2vmb6fJr4ZxPteGhHmJmBAA000A5B
eRgm0TR1FqHwaSneu0xDIC7r2M2VeLMU
H06jDLvh1uQ9n3l0jHgtm1G34Gu5WM
eRgm0TR1FqHwaSneu0xDIC7r2M2VeLMU
3cTCUFeMT1FDAL0249RByfqJMRlxJ
08Jd2vmb6fJr4ZxPteGhHmJmBAA000A5B
XK6p6txXvHc0CSi7y5XtvKwpL4k4Tp
KzsSoDtDs9Q8qa3uRx7g60J293t3d
XHViq102LNU0jXs0iHtDu0K66tYJBY
12Fe3M2fsgREV1t7gsfIn1957F1va
w0DmKQw05xwirFv2t0INDzGzKPe1fN
FU75EMtclai00bd1v7ADALW69gbIBXZ
9rQWtaPaCwYUmcR7Dz5fjlzbzC1dk
yvtL2C3x6iw7XoluShoSiavxFUCsRsfg
ExogdkaoT2jyPCuzDnRwWQz51CyhByt
wiwZ8UvdrBE36yjuluEcK3g7K10sQ2E2c
eRgm0TR1FqHwaSneu0xDIC7r2M2VeLMU
4a0tBppjXGIMoCycqirndl1a7JSsJzZAy
Uy1Ddzbl8hoD4yMPHzSPbtkoJG9BKp0
eRgm0TR1FqHwaSneu0xDIC7r2M2VeLMU
WYU7r3ZV5F5NK3Wev5T7DAHAiryhZN
gByqAo56n9wcRFMcKUrGE6JDzo0koe8
1MuDr7bGGCpnFGeOxaIEdrA8h7L8Tk
vng8trblZvXazsweOyEND17vH978enVX
i4nyRlk5UsNce0xutOfeTvK7L0mv0iqc
```


Level 10 > Level 11 Password: 6zPeziLdR2RKNdNYFNb6nVCKzphlXHBM

```
bandit10@bandit:~
File Actions Edit View Help
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!
bandit10@bandit:~$ ls
data.txt
bandit10@bandit:~$ cat data.txt
VGhlIHBhc3N3b3JkIGlzIDZ6UGV6aUxkJSS05kTl1GTmI2blZDS3pwaGxYSEJNCg==
bandit10@bandit:~$ base64 -d data.txt
The password is 6zPeziLdR2RKNdNYFNb6nVCKzphlXHBM
bandit10@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.

[harshitan@harshita:~]
$ ssh bandit11@bandit.labs.overthewire.org -p 2220
[|_|_/_|-|-|_|_-|_|_
[O|_|C|_|F|_|C|_|T|
[_.|_|_\|_|L|_|_,|_|_]

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

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

Level 11 > Level 12 Password: JVNBBFSmZwKKOP0XbFXOoW8chDz5yVRv

```
bandit11@bandit:~
File Actions Edit View Help
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:~$ ls
data.txt
bandit11@bandit:~$ cat data.txt
cat: data.txt: No such file or directory
bandit11@bandit:~$ cat data.txt
Gur cnffjbeq vf WIAOOFSfMjXXBC0KoSKBbj8puQm5lIEi
bandit11@bandit:~$ man tr
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.

[harshitan@harshita:~]
$ ssh bandit12@bandit.labs.overthewire.org -p 2220
[|_|_/_|-|-|_|_-|_|_
[O|_|C|_|F|_|C|_|T|
[_.|_|_\|_|L|_|_,|_|_]

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

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

Level 12 > Level 13 Password: wbWdlBxEir4CaE8LaPhauuOo6pwRmrDw

```
bandit13@bandit:~$ cat data.txt
data1
bandit12@bandit:~$ cat data.txt
data1x
bandit12@bandit:~$ ls
00000000: 1fb6 0808 2773 4564 0203 6461 7461 222e ...'sEd..data2.
00000010: 0269 6000 0145 02ba fd42 5a68 3931 4159 bin..BZh9IAV
00000020: 2653 597b 4f96 5f00 0018 ffff fd6f e7ed 65Y0_._.....
00000030: bff1 beff 4f07 0000 0000 0000 0000 0000 .....W
00000040: 0400 0004 3400 d341 a000 0680 0699 ...h.d4..A.....
00000050: 0000 69a8 0000 1ab0 1abd 0034 0034 03d4 ..l.....4..4..
00000060: 0000 d4e4 6831 6403 4469 b42d 0000 3400 dhd..1...4..4.
00000070: 0000 0000 0000 0000 0000 0000 0000 0000 ..J..4..4..4..4..
00000080: 4031 3119 0000 1a98 1374 c86d 4640 0060 811..n.4..mfa..
00000090: 0007 a80d 000d 0009 3340 0034 0341 a000 .....@.4..A..
000000a0: 0699 07a9 881e a010 d800 0834 0c43 4068 .....N4..QdH
000000b0: 6400 0000 0000 0000 0000 0000 0000 0000 ..J..4..4..4..4..
000000c0: 0001 f8e1 819a 1958 0751 3227 0400 0000 02@...F..P...
000000d0: a147 6142 a67e 3603 4756 3ba0 91bb0 e034 ..G..b..6..V....4
000000e0: 41fd 1247 6612 6383 0087 c8de b23e b6b2 A..Gf.....A....
000000f0: 0000 0000 0000 0000 0000 0000 0000 0000 .....w.B.....
00000100: 429d 1106 0000 0000 0000 0000 0000 0000 ..J..4..4..4..4..
00000110: 429d 1107 0000 0000 0000 0000 0000 0000 ..J..4..4..4..4..
00000120: b946 f69d 4473 8004 edc2 e010 0463 e052 .F..Ds...>R
00000130: dd34 2244 08c8 5644 9314 9311 9312 0056 e767 .4.D..d...P..g
00000140: 9021 0000 0854 9c62 01c6 04af 5e0d ..l...0...0..0..0..0..0..
00000150: 0000 0000 0000 0000 0000 0000 0000 0000 ..J..4..4..4..4..4..
00000160: 789d 1bd8 299a 3290 539e 0511 K...l...l...z...z...
00000170: 6cad 205b edc4d5 4691 379a 5978 58c3 l...[...].F..Yxx.
00000180: 4846 a4a0 3ba5 a899 4794 1f93 c588 1600 Hf...i...p...p...
00000190: 0000 0000 0000 0000 0000 0000 0000 0000 ..J..4..4..4..4..
000001a0: c3e5 53d8 a959 5f46 ac12 720d 0215 0283 .S..V...l...l...
000001b0: b965 3188 0d32 0097 4156 e950 0d40 64fe ..e1..AV.P.Id.
000001c0: da4a 2d05 44e4 5385 27c0 1e70 8109 5f31 ..J...Se...y...l
000001d0: 0000 0000 0000 0000 0000 0000 0000 0000 ..J..4..4..4..4..4..
000001e0: c107 5d16 411f 0946 7729 e48d 5a6f ..l...t...n...m...Z0
000001f0: 2c10 410b 4288 1498 0818 8afa 0fcfa bf7f ..A..B.....A.B...
00000200: ad34 3308 4077 6552 9849 3786 7d85 1fd0 ..(4..@eR.17..)...
00000210: f287 1238 7639 1161 file 4830 7548 2562 89%...Njum%.
00000220: 70e4 24ff 1a69 8053 404c 0000 1231 a912 1\...i...Kl...1..
```

```
bandit13@bandit:~$ ls
data1
bandit12@bandit:~$ rm -rf data1
bandit12@bandit:~$ ls
data1x
bandit12@bandit:~$ cd /tmp/harsht12
bandit12@bandit:~/tmp/harsht12$ ls
bandit12@bandit:~/tmp/harsht12$ cat data1x | xz -r > /tmp/harsht12/data1
bandit12@bandit:~/tmp/harsht12$ cd /tmp/harsht12
bandit12@bandit:~/tmp/harsht12$ ls
data1
bandit12@bandit:/tmp/harsht12$ file data1
data1: gzip compressed data, was "data2.bin", last modified: Sun Apr 23 18:04:23 2023, max compression, from Unix, original size modulo 2^32 581
bandit12@bandit:/tmp/harsht12$ file data1x
data1x: gzip compressed data, was "data2.bin", last modified: Sun Apr 23 18:04:23 2023, max compression, from Unix, original size modulo 2^32 581
bandit12@bandit:/tmp/harsht12$ zcat data1x > data1
bandit12@bandit:/tmp/harsht12$ file data1
data1: gzip compressed data, block size = 000k
bandit12@bandit:/tmp/harsht12$ mv data1 ./data1.xz
bandit12@bandit:/tmp/harsht12$ bzip2 data3 bz2
bandit12@bandit:/tmp/harsht12$ file data3
data3: gzip compressed data, was "data1.xz", last modified: Sun Apr 23 18:04:23 2023, max compression, from Unix, original size modulo 2^32 20480
bandit12@bandit:/tmp/harsht12$ zcat data4 > data5
bandit12@bandit:/tmp/harsht12$ file data5
data5: POSIX tar archive (GNU)
bandit12@bandit:/tmp/harsht12$ tar -xvf data5
tar: You must specify one of the '--Arctrax' '--delete' or '--test-label' options
Try 'tar --help' or 'tar --usage' for more information.
bandit12@bandit:/tmp/harsht12$ tar -xvf data5
tar: You must specify one of the '--Arctrax' '--delete' or '--test-label' options
Try 'tar --help' or 'tar --usage' for more information.
bandit12@bandit:/tmp/harsht12$ tar -xvf data5
tar: v: Cannot open: No such file or directory
tar: Error is not recoverable: exiting now
```

```
bandit13@bandit:~$ ls
data1
bandit12@bandit:~/tmp/harsht12$ tar -xvf ./data5
data5.bin
bandit12@bandit:~/tmp/harsht12$ file data5.bin
data5.bin: POSIX tar archive (GNU)
bandit12@bandit:~/tmp/harsht12$ tar -xvf ./data5.bin
data6.bin
bandit12@bandit:~/tmp/harsht12$ file data6.bin
data6.bin: gzip compressed data, block size = 000k
bandit12@bandit:~/tmp/harsht12$ zcat data6.bin > data7
bandit12@bandit:~/tmp/harsht12$ file data7
data7: POSIX tar archive (GNU)
bandit12@bandit:~/tmp/harsht12$ tar -xvf ./data7
data8.bin
bandit12@bandit:~/tmp/harsht12$ file data8.bin
data8.bin: gzip compressed data, was "data9.bin", last modified: Sun Apr 23 18:04:23 2023, max compression, from Unix, original size modulo 2^32 581
bandit12@bandit:~/tmp/harsht12$ zcat data8.bin
The password is wbWdlBxEir4CaE8LaPhauuOo6pwRmrDw
bandit12@bandit:~/tmp/harsht12$ exit
logout
Connection to bandit.labs.overthewire.org closed.
```

(harsht12@harsht12) [~]

```
$ ssh bandit13@bandit.labs.overthewire.org -p 2220
[!] [!] [!] [!] [!] [!] you become, the more you are at
[!] [!] [!] [!] [!] [!]

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

bandit13@bandit.labs.overthewire.org's password:
```


Level 14 > Level 15 Password: jN2kgmIXJ6fShzhT2avhotn4Zcka6tnt

The screenshot shows a terminal window with the following session:

```
bandit14@bandit:~$ ls
bandit14@bandit:~$ id
uid=11014(bandit14) gid=11014(bandit14) groups=11014(bandit14)
bandit14@bandit:~$ ls
bandit14@bandit:~$ nc localhost 30000
fGrHPx402xGC7U7rXKDaxiWFT0iF0ENq
Correct!
jN2kgmIXJ6fShzhT2avhotn4Zcka6tnt

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

(harshitan@harshita)-[~]
$ ssh bandit15@bandit.labs.overthewire.org -p 2220
```

Decorative ASCII art is present above the terminal window.

Below the terminal window, there is a message from the OverTheWire game server:

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

bandit15@bandit.labs.overthewire.org's password: vieter you][become, the more you are ab^o
Permission denied, please try again.
bandit15@bandit.labs.overthewire.org's password:

Decorative ASCII art is also present below the message.

Level 15 > Level 16 Password: JQtffApK4SeyHwDlI9SXGR50qclOAil1

```
bandit16@bandit:~  
File Actions Edit View Help  
Ncat: Input/output error.  
bandit15@bandit:~$ man s_client  
bandit15@bandit:~$ openssl s_client -connect localhost:30001  
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  
notAfter=Sep 23 10:08:37 2023 GMT  
verify return:1  
depth=0 CN = localhost  
notAfter=Sep 23 10:08:37 2023 GMT  
verify return:1  
—  
Certificate chain  
0 s:CN = localhost  
i:CN = localhost  
a:PKKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA1  
v:NotBefore: Sep 23 10:07:37 2023 GMT; NotAfter: Sep 23 10:08:37 2023 GMT  
—  
Server certificate  
-----BEGIN CERTIFICATE-----  
MIIDCzCCAfOgAwIBAgIEUUMX7DAnBgkqhkiG9w0BAQUFADAUMRIwEAYDVQQDDA1s  
b2Nhbgvhc3QWhcnMjMw0T1zMTAwNzM3WhcNmjMw0T1zMTAwODM3WjAUdRIwEAYD  
VQDQDAlsb2Nhbgvhc3QwggiMA0GCSqGSIb3DQEBAQUA4IBDwAwggEKAoIBAQDe  
chZLvyPi5m8gcDFZY41YpeJa3Po+Md/F57dp0bgwEOSl/g6ttcgaoEYSmihL  
AvX1x1E1gp0ONxZg/P/vtNDQIlsqwj5X3HPje9UEUsAcBjNHaiqb/3Qb3dwVppYK  
MVHUmMxjCt5FDIVpQoI6FNNE8itZ24Ub108cwB0tZucTWPIeoZQlAvory76ihWX  
mgWnQeQcm80pgEA/6eAN14t10gtSYI+uBDk3wNOFCXTFgo1UQdubEA7Wp81kv1v  
veXW67qpVt4c9CKMaa0DjlF19VV7HWCJV/CFJdZUfunP6dtppuRyr35idMwf  
OEppbsgAbygT98PJY2bZAgMBAAG1ZTBjMBQGA1UdEQQNAuCCWxxv2FsaG9zdDBL  
Bg1ghkgBhvCAQ0EPHy8QXV0h21hdG1jYXxse5bnZWS1cmF0ZWoqYnkgtmNhdCag  
U2VLIGH0dHBzOi8vb1hcC5VcmcvbmNhdC8uMA0GCSqGSIb3DQEBBQUAA4IBAQAf  
ogku2p103j1VQLSMpnZ3bvNvVSPPqhuG/VcCqMF854jqFNCSya68zn02p1bx1  
36agJh28Efhlkj5oyrbDzNjZWpjEc18DHXXvrbTjvDgbdtaq9g3gZxeKMr5MyA  
55J+aeOWKJbSUKz/SERdCtYh+E+idGurB7yUTUpjAYL6egQsyuhD00U8LJJBt+N  
PXQj6Xm0Gw9Ww2pF/AISFgtwhCbsNCJc9iJ2SK00ot3jDooqTz7wF+h+rMkcld  
FlivZ3tevir1kbzTGrqPncPsUMN5r0QmUss38E7v/yDkeTBC6e1Hm+88X9V/Lxh  
UWPot27R9BEfhzz2Ryuay  
UTM
```

```
bandit16@bandit:~  
File Actions Edit View Help  
0080 - bb 8a 34 c3 76 c1 58 b0-bd 75 aa 13 16 13 59 46 ..4.v.X..u....YF  
0090 - 88 fe d2 c6 cb 45 9f ec-9b 04 fc ed cc 1b 69 1f ..b..E.....i.  
00a0 - 0f e9 53 db 98 17 89 a7-4a ae b1 bc a0 ef 83 e7 ..S.....J.....  
00b0 - 8b d5 67 8f cf 5d 94 23-79 9e 48 4a 9f 43 0c 4a ..g..].#y.HJ.C.J  
00c0 - 65 dc 1b ad 64 fb b4 68-da 1d ff 50 98 ad 54 07 e ...d..h ...P..T.  
  
Start Time: 1695509895  
Timeout : 7200 (sec)  
Verify return code: 10 (certificate has expired)  
Extended master secret: no  
Max Early Data: 0  
  
read R BLOCK  
jN2kgmIXj6fShzhT2avhotn4Zcka6tn  
Correct!  
JQtffApK4SeyHwDlI9SXGR50qclOAil1  
  
closed  
bandit15@bandit:~$ exit  
logout  
Connection to bandit.labs.overthewire.org closed.  
  
[~]$ ssh bandit16@bandit.labs.overthewire.org -p 2220  
  
[~]$  
  
This is an OverTheWire game server.  
More information on http://www.overthewire.org/wargames  
bandit16@bandit.labs.overthewire.org's password:  
/ \ ^ / " \ ; , / ' \ . | ; / . / \ ; |
```