

>lv1

```
bandit0@bandit:~$ ls
readme
bandit0@bandit:~$ cat readme
boJ9jbbUNNfktd7800psq0ltutMc3MY1
```

>lv2

```
bandit1@bandit:~$ ls
-
bandit1@bandit:~$ cat < -
CV1DtqXWVFXTvM2F0k09SHz0YwRINYA9
```

>lv3

```
bandit2@bandit:~$ ls
spaces in this filename
bandit2@bandit:~$ cat "spaces in the filename"
cat: 'spaces in the filename': No such file or directory
bandit2@bandit:~$ cat "spaces in this filename"
UmHadQclWmgdLOKQ3YNgjWxGoRMb5luK
```

>lv4

```
bandit3@bandit:~$ ls
inhere
bandit3@bandit:~$ cd inhere
bandit3@bandit:~/inhere$ ls
bandit3@bandit:~/inhere$ ls -a
.  ..  .hidden
bandit3@bandit:~/inhere$ cat .hidden
pIwrPrtpN36QITSp3EQaw936yaFoFgAB
bandit3@bandit:~/inhere$
```

>lv5

```

bandit4@bandit:~$ ls
inhere
bandit4@bandit:~$ cd inhere
bandit4@bandit:~/inhere$ ls
-file00 -file02 -file04 -file06 -file08
-file01 -file03 -file05 -file07 -file09
bandit4@bandit:~/inhere$ cat -file01
cat: invalid option -- 'f'
Try 'cat --help' for more information.
bandit4@bandit:~/inhere$ cat -file00
cat: invalid option -- 'f'
Try 'cat --help' for more information.
bandit4@bandit:~/inhere$ cat <-file00
?/\`2F%?rL~5g?  bandit4@bandit:~/inhere$ cat <-file01
?p,k;?r*?  ?.!??C??J      ?dx,bandit4@bandit:~/inhere$ cat <-file02
e?)#??5??
      ?p??V?  ???mmbandit4@bandit:~/inhere$ cat <-file03
?????h!TQ0?`?4"aP?7phT??,?Abandit4@bandit:~/inhere$ cat <-04
-bash: -04: No such file or directory
bandit4@bandit:~/inhere$ cat <-file04
?bandit4@bandit:~/inhere$ cat <-file05
?r?l$?h?9('???!y??#?x?0?=?bandit4@bandit:~/inhere$ cat <-file06
ly???-??A?f????-E?{???m?????Mbandit4@bandit:~/inhere$ cat <-file07
koReBOKuIDDepwhWk7jZC0RTdopnAYKh
bandit4@bandit:~/inhere$ █

```

>lv6

```

bandit5@bandit:~$ cd inhere
bandit5@bandit:~/inhere$ find . -size 1033c ! -executable./maybehere07/.file2
find: unknown predicate `-executable./maybehere07/.file2'
bandit5@bandit:~/inhere$ find. -size 1033c ! -executable./maybehere07/.file2
-bash: find.: command not found
bandit5@bandit:~/inhere$ find . -size 1033c ! -executable./maybehere07/.file2
find: unknown predicate `-executable./maybehere07/.file2'
Try 'find --help' for more information.
bandit5@bandit:~/inhere$ cd maybehere07
bandit5@bandit:~/inhere/maybehere07$ ls
-file1 -file3      spaces file2
-file2 spaces file1 spaces file3
bandit5@bandit:~/inhere/maybehere07$ ls -al
total 56
drwxr-x---  2 root bandit5 4096 May  7 2020 .
drwxr-x--- 22 root bandit5 4096 May  7 2020 ..
-rwxr-x---  1 root bandit5 3663 May  7 2020 -file1
-rwxr-x---  1 root bandit5 3065 May  7 2020 .file1
-rw-r----- 1 root bandit5 2488 May  7 2020 -file2
-rw-r----- 1 root bandit5 1033 May  7 2020 .file2
-rwxr-x---  1 root bandit5 3362 May  7 2020 -file3
-rwxr-x---  1 root bandit5 1997 May  7 2020 .file3
-rwxr-x---  1 root bandit5 4130 May  7 2020 spaces file1
-rw-r----- 1 root bandit5 9064 May  7 2020 spaces file2
-rwxr-x---  1 root bandit5 1022 May  7 2020 spaces file3
bandit5@bandit:~/inhere/maybehere07$ cat .file2
DXjZPULLxYr17uwoI01bNLQbtFenEgo7
bandit5@bandit:~/inhere/maybehere07$ █

```

>lv7

```

bandit6@bandit:~$ ls
bandit6@bandit:~$ ls -a
.  ..  .bash_logout  .bashrc  .profile
bandit6@bandit:~$ find . -size33c -user bandit7 -group bandit6
find: unknown predicate '-size33c'
find: unknown predicate `'-size33c'
Try 'find --help' for more information.
bandit6@bandit:~$ find . -size33c -user bandit7 -group bandit6
find: unknown predicate `'-size33c'
Try 'find --help' for more information.
bandit6@bandit:~$ find . -size33c -user bandit7 -group bandit6 2>/dev/nu
ll
bandit6@bandit:~$ find . -size33c -user bandit7 -group bandit6 2>/dev/nu
ll/var/lib/dpkg/info/bandit7.password
-bash: /dev/null/var/lib/dpkg/info/bandit7.password: Not a directory
bandit6@bandit:~$ cd /var/lib/dpkg/info/b
-bash: cd: /var/lib/dpkg/info/b: No such file or directory
bandit6@bandit:~$ cat /var/lib/dpkg/info/bandit7.password
HKBPTKQnIay4Fw76bEy8PVxKEDQRKTzs
bandit6@bandit:~$

```

>lv8

```

bandit7@bandit:~$ ls -la
total 4108
drwxr-xr-x  2 root    root      4096 May  7  2020 .
drwxr-xr-x 41 root    root      4096 May  7  2020 ..
-rw-r--r--  1 root    root       220 May 15  2017 .bash_logou
t
-rw-r--r--  1 root    root     3526 May 15  2017 .bashrc
-rw-r-----  1 bandit8 bandit7 4184396 May  7  2020 data.txt
-rw-r--r--  1 root    root       675 May 15  2017 .profile
bandit7@bandit:~$ grep millionth data.txt
millionth      cvX2JJJa4CFALtqS87jk27qwqGhBM9p1V

```

>lv9

```

bandit8@bandit:~$ ls
data.txt
bandit8@bandit:~$ sort data.txt | uniq -u
UsvVyFSfZZWbi6wgC7dAFyFuR6jQQUhr
bandit8@bandit:~$

```

>lv10



```
bandit9@bandit:~$ ls
data.txt
bandit9@bandit:~$ strings data.txt | grep "="
===== the*2i"4
=:G e
===== password
<I=zsGi
Z)===== is
A=|t&E
Zdb=
c^ LAh=3G
*SF=s
&===== truKLdjsbJ5g7yyJ2X2R0o3a5HQJFuLk
S=A.H&^
```

>lv11

```
bandit10@bandit:~$ ls
data.txt
bandit10@bandit:~$ man base64
bandit10@bandit:~$ cat data.txt | base64
VkdobELIQmhjM04zYjNka0lHbHpJRwxHZFd0M1MwZHpSbGM0VFU5eE0wbFNSb
kZ5ZUVVeGFiaFVU
a1ZpVLZCU0NnPT0K
bandit10@bandit:~$ base64 -d data.txt
The password is IFukwKGsFW8MOq3IRFqrxE1hxTNEbUPR
bandit10@bandit:~$
```

>lv12

```
bandit11@bandit:~$ ls
data.txt
bandit11@bandit:~$ nano data.txt
Unable to create directory /home/bandit11/.nano: Permission denied
It is required for saving/loading search history or cursor positions.

Press Enter to continue

bandit11@bandit:~$ cat data.txt | tr 'a-z' 'n-za-m'
Ghe password is 5Ge8L4drgPEfPx8ugdWuRK8XSP6k2RHu
bandit11@bandit:~$ cat data.txt | tr 'a-z' 'n-za-m' | tr -A-Z 'N-ZA-M'
tr: invalid option -- 'A'
Try 'tr --help' for more information.
bandit11@bandit:~$ cat data.txt | tr 'a-z' 'n-za-m' | tr '-A-Z' 'N-ZA-M'
tr: invalid option -- 'A'
Try 'tr --help' for more information.
bandit11@bandit:~$ cat data.txt | tr 'a-z' 'n-za-m' | tr 'A-Z' 'N-ZA-M'
The password is 5Te8Y4drgCRfCx8ugdwuEX8KFC6k2EUu
bandit11@bandit:~$
```

>lv13

```
bandit14@bandit:~$ ls
bandit14@bandit:~$ cd ..
bandit14@bandit:/home$ ls
bandit0  bandit11  bandit14  bandit17  bandit2  bandit22  bandit25  bandit27-git  bandit29  bandit30  bandit31-git  bandit4  bandit7
bandit1  bandit12  bandit15  bandit18  bandit20  bandit23  bandit26  bandit28  bandit29-git  bandit30-git  bandit32  bandit5  bandit8
bandit10  bandit13  bandit16  bandit19  bandit21  bandit24  bandit27  bandit28-git  bandit3  bandit31  bandit33  bandit6  bandit9
bandit14@bandit:/home$ cd ..
bandit14@bandit:/home$ cd etc
bandit14@bandit:/etc$ ls
adduser.conf  cron.d  group-  insserv.conf.d  magic.nls  passwd-  rpc  supervisor
adjtime       cron.weekly  grub.d  iproute2       mailcap  perl     rsyslog.conf  sysctl.conf
alternatives  dbus-1       gshadow  issue.net      mailcap.order  polkit-1  rsyslog.d     sysctl.d
apache2       debconf.conf  gshadow  issue.net      manpath.config  profile  screenrc      systemd
apn           debian_version  gss      kernel         nls.types     profile.d  security      terminfo
apparmor      default       hdpamr.conf  kernel-ling.conf  nls.types     protocols  security      timezone
apparmor.d    deluser.conf  host.conf  ldap           modprobe.d    python     selinux       tmpfiles.d
apt           devuan_version  hostname  ld.so.cache    modules       python2.7  services      ucf.conf
bandit_pass   dhcp          hosts     ld.so.conf     motd          python3    sgml          udev
bash.bashrc    dictionaries-common  hosts.allow  ld.so.conf.d  nls           python3.5  shadow       urfw
bash_completion  discover.conf.d  hosts.deny  libaudit.conf  nls           rc0.d      shadow       update-motd.d
bash_completion.d  discover-motdprobe.conf  identd.conf  lighttpd       network      rc1.d      shells       vin
bindresvport.blacklist  dpkg          identd.key  locale.alias  NetworkManager  rc2.d      skel         wgetrc
ca-certificates  elogind       inetd.conf  locale.gen     networks      rc3.d      ssh          x11
ca-certificates.conf  envcs         inetd.d     localtime     nls           rc4.d      sol          xdg
calendar       environment    init        logcheck      nsswitch.conf  rc5.d      staff-group-for-usr-local  xnl
ConsoleKit      firewall      init.d      login.defs     ntp.conf      rc6.d      subgid
console-setup  fstab         initramfs-tools  logrotate.conf  os-release   rc.local   subuid
cron.d          gal.conf      inittab     logrotate.d    pan.conf     rc5.d      subuid
cron.daily      gdb           inputrc     ltrace.conf    pan.d         reportbug.conf  subuid
cron.hourly     groff         insserv     lvm            passwd        resolv.conf    sudoers
cron.monthly    group         insserv     magic          passwd        rnt         sudoers.d
```

```
bandit14@bandit:/etc$ cd bandit_pass/
bandit14@bandit:/etc/bandit_pass$ ls
bandit0  bandit10  bandit12  bandit14  bandit16  bandit18  bandit2  bandit21  bandit23  bandit25  bandit27  bandit29  bandit30  bandit32  bandit4  bandit6  bandit8
bandit1  bandit11  bandit13  bandit15  bandit17  bandit19  bandit20  bandit22  bandit24  bandit26  bandit28  bandit3  bandit31  bandit33  bandit5  bandit7  bandit9
bandit14@bandit:/etc/bandit_pass$ cat bandit14
4wcYUJFw0k0XLSHlDzztnTBHlqxU3b3e
bandit14@bandit:/etc/bandit_pass$
```

>lv14

```
bandit14@bandit:~$ echo 4wcYUJFw0k0XLSHlDzztnTBHlqxU3b3e | nc localhost 30000
Correct!
BFMYroe26WYal1l77FoDl9qh59eK5xNr
bandit14@bandit:~$
```

--[ More information ]--

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

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

Enjoy your stay!

```
bandit15@bandit:~$
```

>lv15

```
New, TLSv1.2, Cipher is ECDHE-RSA-AES256-GCM-SHA384
Server public key is 1024 bit
Secure Renegotiation IS supported
Compression: NONE
Expansion: NONE
No ALPN negotiated
SSL-Session:
  Protocol : TLSv1.2
  Cipher   : ECDHE-RSA-AES256-GCM-SHA384
  Session-ID: 664A8F89D3B3C71FFE7D6722E9BD6025783C2BBEB010CD3D6427DF08F4F4A26A
  Session-ID-ctx:
  Master-Key: 5895BBD39116F2438C52F13EE9528CF1FF295F03C316BAC37182CD0A0C939DB4F1ACF64BC82C030227E0984227D9B64
  PSK identity: None
  PSK identity hint: None
  SRP username: None
  TLS session ticket lifetime hint: 7200 (seconds)
  TLS session ticket:
0000 - 8a eb e8 f5 31 15 46 ad b2 a8 10 c1 51 b9 66 14 .....1.F....Q.f.
0010 - f1 b6 40 ef 41 29 1e bf 51 2f d7 6a a9 1b 12 bf ..@.A)..Q/.j....
0020 - 8b 9b 7a fa f8 91 0f 02 6f 01 fd 5c 1b 10 ff 80 ..z.....o.\....
0030 - 7c a6 4e f6 97 e4 ea a1 02 57 b9 57 5d 80 d3 21 |.N.....W.W]..!
0040 - 32 c6 f9 36 0f 9c 8b ad 75 1c 48 4c 11 68 f6 cb 2..6....u.HL.h..
0050 - e0 0e e9 d4 29 1b d6 d4 85 4e d0 b1 28 4d 63 eb ....)...N..(Mc.
0060 - 29 9f 73 75 cc 71 60 cc 30 42 54 5f 54 17 10 e5 }.su.q'.0BT.T...
0070 - 7d b2 4e cd db ea 90 fc 05 dd 27 6b 7c 56 32 ea }.N.....'k|V2.
0080 - 3f 79 05 21 e9 3e 00 91 fc 99 3a 14 3b f9 3f 87 ?y.!>.....:;.?.
0090 - f1 06 02 3f ca c8 7f 16 a9 f3 6e 0d 82 04 d1 c9 ...?.....n.....

Start Time: 1646565973
Timeout : 7200 (sec)
Verify return code: 18 (self signed certificate)
Extended master secret: yes
---
Correct!
cluFn7wTiGryunymYOU4RcFFsXqluehd
```

bandit12@bandit.labs.overthewire.org's password:  
Linux bandit.otw.local 5.4.8 x86\_64 GNU/Linux



www.OverTheWire.org

Welcome to OverTheWire!