

COGNIZANCE TASK 7

KEERTHANA E
AIE

LEVEL 0

Password 1 : bandit0

```
Terminal ▾ Mar 6 19:23
bandit14@bandit: ~
keerthana@keer12:~$ ssh bandit0@bandit.labs.overthewire.org -p 2220
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames
bandit0@bandit.labs.overthewire.org's password:
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux
```

LEVEL 0-1

Password 2 : boJ9jbbUNNfktd78OOpsqOltutMc3MY

```
bandit0@bandit:~$ ls
readme
bandit0@bandit:~$ cat readme
boJ9jbbUNNfktd78OOpsqOltutMc3MY1
bandit0@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
```

LEVEL 1-2

Password 3 : CV1DtqXWVFXTvM2F0k09SHz0YwRINYA9

```
bandit1@bandit:~$ ls
-
bandit1@bandit:~$ cat ./-
CV1DtqXWVFXTvM2F0k09SHz0YwRINYA9
bandit1@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
keerthana@keer12:~$ ssh bandit2@bandit.labs.overthewire.org -p 2220
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames
```

LEVEL 2-3

Password 4 : UmHadQclWmgdLOKQ3YNgjWxGoRMb5luK

```
bandit2@bandit:~$ ls
spaces in this filename
bandit2@bandit:~$ cat spaces\ in\ this\ filename
UmHadQclWmgdLOKQ3YNgjWxGoRMb5luK
bandit2@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
keerthana@keer12:~$ ssh bandit3@bandit.labs.overthewire.org -p 2220
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames
```

LEVEL 3-4:

Password 5 : pIwrPrtPN36QITSp3EQaw936yaFoFgAB

```
bandit3@bandit:~$ ls -a
.  ..  .bash_logout  .bashrc  inhere  .profile
bandit3@bandit:~$ cd inhere
bandit3@bandit:~/inhere$ ls -a
.  ..  .hidden
bandit3@bandit:~/inhere$ cat .hidden
pIwrPrtPN36QITSp3EQaw936yaFoFgAB
bandit3@bandit:~/inhere$ exit
logout
Connection to bandit.labs.overthewire.org closed.
```

LEVEL 4-5:

Password 6 : koReBOKuIDDepwhWk7jZC0RTdopnAYKh

```
bandit4@bandit:~$ cd inhere
bandit4@bandit:~/inhere$ find. -type f | xargs file
-bash: find.: command not found
Usage: file [-bcEhikLlNnprsvzZ0] [--apple] [--extension] [--mime-encoding] [--mime-type]
        [-e testname] [-F separator] [-f namefile] [-m magicfiles] file ...
        file -C [-m magicfiles]
        file [--help]
bandit4@bandit:~/inhere$ find . -type f | xargs file
./-file01: data
./-file00: data
./-file06: data
./-file03: data
./-file05: data
./-file08: data
./-file04: data
./-file07: ASCII text
./-file02: data
./-file09: data
bandit4@bandit:~/inhere$ cat ./-file07
koReBOKuIDDepwhWk7jZC0RTdopnAYKh
bandit4@bandit:~/inhere$ exit
logout
Connection to bandit.labs.overthewire.org closed.
```

LEVEL 5-6 :

Password 7 : DXjZPULLxYr17uwoI01bNLQbtFemEgo7

```
bandit5@bandit:~$ cd inhere
bandit5@bandit:~/inhere$ find . -type f -size 1033c ! -executable
./maybehere07/.file2
bandit5@bandit:~/inhere$ cat ./maybehere07/.file2
DXjZPULLxYr17uwoI01bNLQbtFemEgo7
```

```
~/inhere$ exit
logout
Connection to bandit.labs.overthewire.org closed.
```


LEVEL 6-7 :

Password 8 :

HKBPTKQnIay4Fw76bEy8PVxKEDQRKTzs

```
bandit6@bandit:~$ find. -type f -user bandit7 -group bandit6 -size 33c
-bash: find.: command not found
bandit6@bandit:~$ find . -type f -user bandit7 -group bandit6 -size 33c
bandit6@bandit:~$ find . -type f -user 'bandit7' -group 'bandit6' -size 33c
bandit6@bandit:~$ find / -type f -user bandit7 -group bandit6 -size 33c
find: '/root': Permission denied
find: '/home/bandit28-git': Permission denied
find: '/home/bandit30-git': Permission denied
find: '/home/bandit5/inhere': Permission denied
find: '/home/bandit27-git': Permission denied
find: '/home/bandit29-git': Permission denied
find: '/home/bandit31-git': Permission denied
find: '/lost+found': Permission denied
find: '/etc/ssl/private': Permission denied
find: '/etc/polkit-1/localauthority': Permission denied
find: '/etc/lvm/archive': Permission denied
find: '/etc/lvm/backup': Permission denied
find: '/sys/fs/pstore': Permission denied
find: '/proc/tty/driver': Permission denied
find: '/proc/10258/task/10258/fdinfo/6': No such file or directory
find: '/proc/10258/fdinfo/5': No such file or directory
find: '/cgroup2/csessions': Permission denied
find: '/boot/lost+found': Permission denied
find: '/tmp': Permission denied
find: '/run/lvm': Permission denied
find: '/run/screen/S-bandit1': Permission denied
find: '/run/screen/S-bandit10': Permission denied
find: '/run/screen/S-bandit29': Permission denied
find: '/run/screen/S-bandit25': Permission denied
find: '/run/screen/S-bandit30': Permission denied
find: '/run/screen/S-bandit9': Permission denied
find: '/run/shm': Permission denied
find: '/run/lock/lvm': Permission denied
find: '/var/spool/bandit24': Permission denied
find: '/var/spool/cron/crontabs': Permission denied
find: '/var/spool/rsyslog': Permission denied
find: '/var/tmp': Permission denied
find: '/var/lib/apt/lists/partial': Permission denied
find: '/var/lib/polkit-1': Permission denied
/var/lib/dpkg/info/bandit7.password
find: '/var/log': Permission denied
find: '/var/cache/apt/archives/partial': Permission denied
find: '/var/cache/ldconfig': Permission denied
bandit6@bandit:~$ cat /var/lib/dpkg/info/bandit7.password
HKBPTKQnIay4Fw76bEy8PVxKEDQRKTzs
bandit6@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
```

LEVEL 7-8 :

Password 9 : cvX2JJJa4CFALtqS87jk27qwqGhBM9plV

```
bandit7@bandit:~$ strings data.txt | grep "millionth"
millionth      cvX2JJJa4CFALtqS87jk27qwqGhBM9plV
bandit7@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
```

LEVEL 8-9 :

```
bandit8@bandit:~$ cat data.txt
VkBAEWyIibVkeURZV5mowiGg6i3m7Be0
zdd2ctVveR0GeiS2WE3TeLZMeL5jL7iM
sYSokIATVvFUKU4sAHTtMarfjLZWwj5i
ySvsTwLMgnUF0n86Fgmn2TNjks0lrV72
NLWvtQvL7EaqBNx2x4eznRLQ0NULlCYZ
LfrBHfAh0pP9bgGAZP4QrVkut3pysAYC
U0NYdD3wHZKpfEg9qGQOLJiMAJy6qxhS
flyKxCbHB8uLTaIB5LXqQNuJj3yj00eh
TThRArdF2ZEXM047TIYkyPPLtvzzLcDf
cIPbot7oYveUPNxDMhv1hri50CqpkTG
kJTBMD8k90HyXwZ2aJMqkV23u0gyuoIO
J6Lzp6ZqTJs0uJRTXcvhwKfM0KK3XtbL
NLWvtQvL7EaqBNx2x4eznRLQ0NULlCYZ
0N65ZPpNGkUJePzFxcTZRZXVrCbUGfm
```

```
bandit8@bandit:~$ man uniq
bandit8@bandit:~$ sort data.txt | uniq |
> sort data.txt | uniq -c
 10 07KC3ukwX7kswl8Le9ebb3H3s0oNTsR2
 10 0efnqHY1ZTNru4LsDX4D73DsXIqQ7RuJ
 10 0N65ZPpNGkUJePzFxcTZRZXVrCbUGfm
 10 0Xo6DLyK5izRqEtBA7sW2SRmlAixWYSg
 10 10XitczY5Dz7UMoseKIEFWszzwQrylfw
 10 1ETssKgjFqj1cJeFzXLJWzKzza3iWcJa
 10 1T6qw9I32d71cS3TTvwmVp1WsxPFDJ9I
 10 2bFz9F0yRwxGzVCZ4Er04bk00qfUrzWb
 10 2CxmTckpNL5Zju0NzAtShkPXF5T43W7s
 10 337o85y40ymIh99WPUtotkb114evfAkC
 10 33xpPQhjt4Q2mqT4sCVRwH2Zyh82E8R
 10 4SMqyZZztep75cte6xxKpVL49pKUKV8N
 10 5AdqWjoJ0Edx5tJmZVBM00K2e4arD3ZW
 10 5c08XuoQWrzsye0Wdht8zgUIVWSRDaec
 10 6PF22p608TphCTZot9ApZx8VfGuo8rd5
 10 7KaMzgnYMUeMISP9vuT3Dvsc06qfqa9u
 10 7uhj3nhe4AS0esnnEZHBZN67fJ8BFjM
 10 8jtZmvqp9PTi8tp1oybBM663NQH3fhII
```

Password 10 : UsvVyFSfZZWbi6wgC7dAFyFuR6jQQUhR

```
10 si952kS1y6pt4AFenmm0oIp8n7W5d3bd
10 sYSokIATVvFUKU4sAHTtMarfjLZWwj5i
10 SzwgS2ADSjP6yp0zp2bIvdqNyusRtrHj
10 TKUtQbeYnEzzYIne7BinoBx2bHFLBXzG
10 TThRArdF2ZEXM047TIYkyPPLtvzzLcDf
10 tVW9iY1Ml0uHPK4usZnN8oZXbjRt2ATY
10 U0NYdD3wHZKpfEg9qGQOLJiMAJy6qxhS
10 UASW6CQwD6MRzftu6FAfyXBK0cVvnBLP
10 UJiCNvDNfgb3fcCj8PjjnAXHqUM63Uyj
10 UjsVbcqKeJqdCZQCDmkzv6A9X7hLbNE4
 1 UsvVyFSfZZWbi6wgC7dAFyFuR6jQQUhR
10 UVnZvhiVQECraz5jl8U14sMVZQhjuXia
10 V2d9umHiuPLYLIDsuHj0frOEmreCZMaA
10 v9zaxkVAOdIOlITZY2uoCtB1fX2gmly9
10 VkBAEWyIibVkeURZV5mowiGg6i3m7Be0
10 w4zUWFGTUrAAh8lnks8gH3WK2zowBEKA
10 WBqr9xvf6mYTT5kLcTGC6G6jb3ex94xWr
10 wJnWumEX58RUQTrufHMcIWz5Yx10GtTC
10 X1JH0Ukrb4KgugMXIzMWwIWvRkeZleTI
10 XyeJdbrUJyGtdGx8cXLQST0pwu5cvpcA
10 yo0HbSe2GM0jJNhRQLxwoPp7ayYemRKY
10 ySvsTwLMgnUF0n86Fgmn2TNjks0lrV72
10 Z90C6DQpppreChPhwRJJV9YYTtrXNVc0
10 zdd2ctVveR0GeiS2WE3TeLZMeL5jL7iM
```


LEVEL 9-10 :

Password 11 :truKLdjsbJ5g7yyJ2X2R0o3a5HQJFuLk

```
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&^
bandit9@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
```

LEVEL 10-11 :

Password 12 : IFukwKGsFW8MOq3IRFqrxE1hxTNEbUPR

```
bandit10@bandit:~$ cat data.txt
VGhliHBhc3N3b3JkIGlzIElGdWt3S0dzRlc4TU9xM0lSRnFyeEUxaHhUTkViVVBSCg==
bandit10@bandit:~$ base
-bash: base: command not found
bandit10@bandit:~$ man base64
bandit10@bandit:~$ base64 -d data.txt
The password is IFukwKGsFW8MOq3IRFqrxE1hxTNEbUPR
bandit10@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
```

LEVEL 11-12 :

Password 13 : 5Te8Y4drgCRfCx8ugdwwEX8KFC6k2EUu

```
bandit11@bandit:~$ cat data.txt
Gur cnffjbeq vf 5Gr8L4qetPEsPk8htqjhRK8XSP6x2RHh
bandit11@bandit:~$ echo "Gur cnffjbeq vf 5Gr8L4qetPEsPk8htqjhRK8XSP6x2RHh"
Gur cnffjbeq vf 5Gr8L4qetPEsPk8htqjhRK8XSP6x2RHh
bandit11@bandit:~$ echo "Gur cnffjbeq vf 5Gr8L4qetPEsPk8htqjhRK8XSP6x2RHh" | tr "A-Z a-z" "N-ZA-Mn-za-m"
Tifnqbttxpsenjt5Tf8Y4eshCRgCy8vhexvEX8KFC6l2EUu
bandit11@bandit:~$ echo "Gur cnffjbeq vf 5Gr8L4qetPEsPk8htqjhRK8XSP6x2RHh" | tr "A-Za-z" "N-ZA-Mn-za-m"
The password is 5Te8Y4drgCRfCx8ugdwwEX8KFC6k2EUu
bandit11@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
```

LEVEL 12-13:

```
bandit12@bandit:~$ mkdir /tmp/keer
bandit12@bandit:~$ cp data.txt /tmp/keer
bandit12@bandit:~$ cd /tmp/keer
bandit12@bandit:/tmp/keer$ ls
data.txt
bandit12@bandit:/tmp/keer$ file data.txt
data.txt: ASCII text
bandit12@bandit:/tmp/keer$ xxd -r data.txt > T7
bandit12@bandit:/tmp/keer$ xxd -r data.txt > data
bandit12@bandit:/tmp/keer$ ls
data  data.txt  T7
bandit12@bandit:/tmp/keer$ file data
data: gzip compressed data, was "data2.bin", last modified: Thu May  7 18:14:30 2020, max compression, from Unix
bandit12@bandit:/tmp/keer$ man gzip
bandit12@bandit:/tmp/keer$ mv data file.gz
bandit12@bandit:/tmp/keer$ gzip -d file.gz
bandit12@bandit:/tmp/keer$ ls
data.txt  file  T7
bandit12@bandit:/tmp/keer$ file file
file: bzip2 compressed data, block size = 900k
bandit12@bandit:/tmp/keer$ mv file file.bz2
bandit12@bandit:/tmp/keer$ man bzip2
bandit12@bandit:/tmp/keer$ bzip2 -d file.bz2
bandit12@bandit:/tmp/keer$ ls
data.txt  file  T7
bandit12@bandit:/tmp/keer$ file file
file: gzip compressed data, was "data4.bin", last modified: Thu May  7 18:14:30 2020, max compression, from Unix
bandit12@bandit:/tmp/keer$ mv file file.gz
bandit12@bandit:/tmp/keer$ gzip -d file.gz
bandit12@bandit:/tmp/keer$ ls
data.txt  file  T7
bandit12@bandit:/tmp/keer$ file file
file: POSIX tar archive (GNU)
bandit12@bandit:/tmp/keer$ mv file file.tar
bandit12@bandit:/tmp/keer$ tar xf file.tar
bandit12@bandit:/tmp/keer$ ls
data5.bin  data.txt  file.tar  T7
bandit12@bandit:/tmp/keer$ file data5.bin
data5.bin: POSIX tar archive (GNU)
bandit12@bandit:/tmp/keer$ rm file.tar
bandit12@bandit:/tmp/keer$ rm data
rm: cannot remove 'data': No such file or directory
bandit12@bandit:/tmp/keer$ rm data
rm: cannot remove 'data': No such file or directory
bandit12@bandit:/tmp/keer$ rm data.txt
bandit12@bandit:/tmp/keer$ ls
data5.bin  T7
bandit12@bandit:/tmp/keer$ file data5.bin
```

Password 14 : 8ZjyCRiBWFYkneahHwxCv3wb2a1ORpYL

```
bandit12@bandit:/tmp/keer$ mv data5.bin data.tar
bandit12@bandit:/tmp/keer$ tar xf data.tar
bandit12@bandit:/tmp/keer$ ls
data6.bin  data.tar  T7
bandit12@bandit:/tmp/keer$ file data6.bin
data6.bin: bzip2 compressed data, block size = 900k
bandit12@bandit:/tmp/keer$ mv data6.bin data.bz2
bandit12@bandit:/tmp/keer$ bzip2 -d data.bz2
bandit12@bandit:/tmp/keer$ ls
data  data.tar  T7
bandit12@bandit:/tmp/keer$ file data
data: POSIX tar archive (GNU)
bandit12@bandit:/tmp/keer$ mv data data.tar
bandit12@bandit:/tmp/keer$ ls
data.tar  T7
bandit12@bandit:/tmp/keer$ tar xf data.tr
tar: data.tr: Cannot open: No such file or directory
tar: Error is not recoverable: exiting now
bandit12@bandit:/tmp/keer$ tar xf data.tar
bandit12@bandit:/tmp/keer$ ls
data8.bin  data.tar  T7
bandit12@bandit:/tmp/keer$ file data8.bin
data8.bin: gzip compressed data, was "data9.bin", last modified: Thu May  7 18:14:30 2020, max compression, from Unix
bandit12@bandit:/tmp/keer$ mv data8.bin data.gz
bandit12@bandit:/tmp/keer$ gzip -d data.gz
bandit12@bandit:/tmp/keer$ ls
data  data.tar  T7
bandit12@bandit:/tmp/keer$ file data
data: ASCII text
bandit12@bandit:/tmp/keer$ cat data
The password is 8ZjyCRiBWFYkneahHwxCv3wb2a1ORpYL
bandit12@bandit:/tmp/keer$ exit
logout
Connection to bandit.labs.overthewire.org closed.
```



```
bandit14@bandit:~$ cat /etc/bandit_pass/bandit14
4wcYUJFw0k0XLShlDzztnTBHlqxU3b3e
bandit14@bandit:~$ nc localhost 30000

Wrong! Please enter the correct current password
bandit14@bandit:~$ cat /etc/bandit_pass/bandit14
4wcYUJFw0k0XLShlDzztnTBHlqxU3b3e
bandit14@bandit:~$ nc localhost 30000

Wrong! Please enter the correct current password
bandit14@bandit:~$ cat /etc/bandit_pass/bandit14
4wcYUJFw0k0XLShlDzztnTBHlqxU3b3e
bandit14@bandit:~$ nc localhost 30000
4wcYUJFw0k0XLShlDzztnTBHlqxU3b3e
Correct!
BfMYroe26WYalil77FoDi9qh59eK5xNr
```

LEVEL 13-14:

Password 15 : 4wcYUJFw0k0XLShlDzztnTBHlqxU3b3e

```
bandit15@bandit:~$ cat /etc/bandit_pass/bandit15
BfMYroe26WYalil77FoDi9qh59eK5xNr
bandit15@bandit:~$ man nc | grep ssl
bandit15@bandit:~$ man nc
bandit15@bandit:~$ man ncat
bandit15@bandit:~$ man ncat | grep ssl
--ssl                Connect or listen with SSL
--ssl-cert            Specify SSL certificate file (PEM) for listening
--ssl-key             Specify SSL private key (PEM) for listening
--ssl-verify          Verify trust and domain name of certificates
--ssl-trustfile       PEM file containing trusted SSL certificates
--ssl-ciphers         Cipherlist containing SSL ciphers to use

--ssl (Use SSL)
--ssl-verify (Verify server certificates)
    In client mode, --ssl-verify is like --ssl except that it also
    --ssl-trustfile to give a custom list. Use -v one or more times to
--ssl-cert certfile.pem (Specify SSL certificate)
    connect mode). Use it in combination with --ssl-key.
--ssl-key keyfile.pem (Specify SSL private key)
    that goes with the certificate named with --ssl-cert.
--ssl-trustfile cert.pem (List trusted certificates)
    combined with --ssl-verify. The argument to this option is the name
--ssl-ciphers cipherlist (Specify SSL ciphersuites)
    http://www.openssl.org
bandit15@bandit:~$ ncat --ssl localhost 30001
BfMYroe26WYalil77FoDi9qh59eK5xNr
Correct!
cluFn7wTiGryunymY0u4RcfftSxQluehd
```

LEVEL 14-15:

Password 16 : BfMYroe26WYalil77FoDi9qh59eK5xNr