

Task -7

Level 0-1

```
- Thunderbird Mail

For your convenience we have installed a few usefull tools which you can find
in the following locations:

* gef (https://github.com/hugsy/gef) in /usr/local/gef/
* pwndbg (https://github.com/pwndbg/pwndbg) in /usr/local/pwndbg/
* peda (https://github.com/longld/peda.git) in /usr/local/peda/
* gdbinit (https://github.com/gdbinit/Gdbinit) in /usr/local/gdbinit/
* pwntools (https://github.com/Gallopsled/pwntools)
* radare2 (http://www.radare.org/)
* checksec.sh (http://www.trapkit.de/tools/checksec.html) in /usr/local/bin
/checksec.sh

--[ More information ]--

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

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

Enjoy your stay!

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

Level 1-2

```
kvss@kvss-VirtualBox: ~  
Thunderbird Mail  
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in the following locations:  
  
* gef (https://github.com/hugsy/gef) in /usr/local/gef/  
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* peda (https://github.com/longld/peda.git) in /usr/local/peda/  
* gdbinit (https://github.com/gdbinit/Gdbinit) in /usr/local/gdbinit/  
* pwntools (https://github.com/Gallopsled/pwntools)  
* radare2 (http://www.radare.org/)  
* checksec.sh (http://www.trapkit.de/tools/checksec.html) in /usr/local/bin/  
/checksec.sh  
  
--[ More information ]--  
  
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#wargames.  
  
Enjoy your stay!  
  
bandit1@bandit:~$ cat ./-  
CV1DtqXWVFXTvM2F0k09SHz0YwRINYA9  
bandit1@bandit:~$ exit  
logout  
Connection to bandit.labs.overthewire.org closed.  
kvss@kvss-VirtualBox:~$
```

Level 2-3

```
* gef (https://github.com/hugsy/gef) in /usr/local/gef/  
* pwndbg (https://github.com/pwndbg/pwndbg) in /usr/local/pwndbg/  
* peda (https://github.com/longld/peda.git) in /usr/local/peda/  
* gdbinit (https://github.com/gdbinit/Gdbinit) in /usr/local/gdbinit/  
* pwntools (https://github.com/Gallopsled/pwntools)  
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* checksec.sh (http://www.trapkit.de/tools/checksec.html) in /usr/local/bin/  
/checksec.sh
```

--[More information]--

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LibreOffice Writer Questions or comments, contact us through IRC on
[#wargames](irc.overthewire.org).

Enjoy your stay!

```
bandit2@bandit:~$ ls  
spaces in this filename  
bandit2@bandit:~$ cat spaces in this filename  
cat: spaces: No such file or directory  
cat: in: No such file or directory  
cat: this: No such file or directory  
cat: filename: No such file or directory  
bandit2@bandit:~$ cat spaces\ in\ this\ filename  
UmHadQcLWmgdLOKQ3YNgjWxGoRmb5luK  
bandit2@bandit:~$
```

Level 3-4

```
* gef (https://github.com/hugsy/gef) in /usr/local/gef/
* pwndbg (https://github.com/pwndbg/pwndbg) in /usr/local/pwndbg/
* peda (https://github.com/longld/peda.git) in /usr/local/peda/
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Enjoy your stay!

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$
```

Level4-5

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Enjoy your stay!

```
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 ./-file00
♦/'2F♦%♦♦rL~5♦g♦♦♦ ♦♦♦♦♦bandit4@bandit:~/inhere$ cat ./-file01
♦♦p,k♦;♦♦r*♦♦ ♦♦.!♦♦C♦♦J ♦♦dx,♦bandit4@bandit:~/inhere$ cat ./-file02
e♦)♦#♦♦5♦♦
♦♦p♦♦V♦ ♦♦♦[E]mmbandit4@bandit:~/inhere$ cat ./-file03
♦♦♦♦♦♦h!TQ0♦`♦4"aP♦7phT♦♦,♦Abandit4@bandit:~/inhere$ cat ./-file04
?♦bandit4@bandit:~/inhere$ cat ./-file05
♦r♦l$♦?h♦9('♦♦♦!y♦e♦#♦x♦0♦♦=♦♦bandit4@bandit:~/inhere$ cat ./-file06
ly♦♦♦~♦♦A♦f♦♦♦♦-E♦{♦♦♦m♦♦♦♦♦♦♦Mbandit4@bandit:~/inhere$ cat ./-file07
koReB0KuIDDepwhWk7jZC0RTdopnAYKh
bandit4@bandit:~/inhere$ cat ./-file08
♦T♦?♦i♦♦j♦♦iP♦F♦l♦n♦♦J♦♦♦♦{♦♦@bandit4@bandit:~/inhere$ exit
logout
Connection to bandit.labs.overthewire.org closed.
kvss@kvss-VirtualBox:~$
```

Level 5-6

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

Enjoy your stay!

```
bandit5@bandit:~$ ls
```

```
inhere
```

```
bandit5@bandit:~$ cd inhere
```

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

```
bandit5@bandit:~/inhere$ cat ./maybehere07/.file2
```

```
DXjZPULLxYr17uwoI01bNLQbtFemEgo7
```

```
bandit5@bandit:~/inhere$ ex
```

```
it
```

```
logout
```

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

```
kvss@kvss-VirtualBox:~$
```

Level 6-7

```
find: '/run/screen/S-bandit8': Permission denied
find: '/run/screen/S-bandit15': Permission denied
find: '/run/screen/S-bandit4': Permission denied
find: '/run/screen/S-bandit3': Permission denied
find: '/run/screen/S-bandit19': Permission denied
find: '/run/screen/S-bandit31': Permission denied
find: '/run/screen/S-bandit17': Permission denied
find: '/run/screen/S-bandit2': Permission denied
find: '/run/screen/S-bandit22': Permission denied
find: '/run/screen/S-bandit21': Permission denied
find: '/run/screen/S-bandit14': Permission denied
find: '/run/screen/S-bandit13': Permission denied
find: '/run/screen/S-bandit24': Permission denied
find: '/run/screen/S-bandit23': 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:~$
```

Level 7-8

```
lineman's      Gh8HTLmWxnXJxZF4DzhuiRpV8xejb6yw
aquas          RkI4EWYAjHPMexRFTY9Rq7vQtjhiKgZw
swaddled       snDpr6ve7nuPsjBoTGLrmp0YomdhVzAH
garishness's   UbK1yZ2nC02GEjArLAsLw0bT8jg0p9rx
Benny's        QQkZrdiFs47KckVLi5ifsFqtLcRxyjvZ
regulated      sxJ8HT73fvZMMIicL50nhawcrsYGUIWP
knotting       vh268WJXw10Snszed9MVaHD4rTP69lZr
hymnals        7MqsN32lfDbPigtAX6cwFbMZcPAMUoae
Fremont        tCy02wC8xdpFqjlZ8xdBQYAHFZPHk7ls
punter's       zAfzaA1IOuBSamCR6eMmRoc9oNXPQ16a
junking        6Tlr5K8YZ1d2Xsdku3TTFYXWB6WOMxYt
Aymara         zSeU50UyD8Q6a6YPwaClRBbk1x8kFBec
waned          gL59r6xvewh5y8t0mgiNtHtCUMG8S6Id
conceded       TWLUptX3Hbwd4qsY0Q9sEN0n0iNy79sC
kilned         kLjrgoJvftIyUyotu0I4cxFcXQXbC6aS
Santayana      KKn1I4fuWdzKyvffp1aYrBDzQa3Tr3Pk
Antigua        dRyNieqAg00kCgrKVQFXMXS06vFarL55
heyday         UAGwMlFzylGa4fHpQZEeLUQE5JlUpyX
praiseworthiness's   bjRB0uGXM4dH7ip9hHB3mbFBMMwLNKNq
separatism     p2167YTCJseAv4YhLZNb2fs7JivlDLUW
plan           PLz4ZXwX02fEe4oMd1I78wQXl4MIMxTf
confrontation  KLHScgMgzyBQYxBXkxsjKcQ2A5erDIjL
briquet's      aHc51xHj1t3ANF7jH26dd7mHWBfd8VKz
encapsulate    STOVYQEMWtFz54JtjJRrhDXgZcfVw8lS
wildfowls      PqcMofjmKj8NBv09exdu7FY2NG6WUMzb
Finland        xgXsIYgqUCMriMoT7W2dSwTG1DCvbRvU
bandit7@bandit:~$ grep "millionth" data.txt
millionth      cvX2JJJa4CFALtqS87jk27qwqGhBM9p1V
bandit7@bandit:~$
```


Level 8-9

```
10 RMiSPoAvF7WhgIcOdSQR2r6Zx0DNS5UW
10 s1603Q2r4RPKqyoA8cspIRk0VdgEmFC3
10 SA05uWMVCao2rzS8YRqUXh19SvnDpu0l
10 SHMAMUEzQe4mV7SJpETTzFsyNRJsZE2k
10 si952kS1y6pt4AFenmm0oIp8n7W5d3bd
10 sYSokIATVvFUKU4sAHTtMarfjlZWwj5l
10 SzwgS2ADSjP6yp0zp2bIvdqNyusRtrHj
10 TKUtQbeYnEzzYIne7BinoBx2bHFLBXzG
10 TThRArdF2ZEXM047TIYkyPPLtvzzLcDf
10 tVW9iY1Ml0uHPK4usZnN8oZXbjRt2ATY
Rhythmbox YdD3wHZKpfEg9qGQ0LJimaJy6qxhS
10 uASW6CQwD6MRzftu6FAfyXBK0cVvnBLP
10 UJiCNvDNfGb3fcCj8PjjnAXHqUM63UyJ
10 UjsVbcqKeJqdCZQCDMkzv6A9X7hLbNE4
10 UsvVyFSfZZWbi6wgC7dAFyFuR6jQQUHR
10 UVnZvhiVQECraz5jl8U14sMVZQhjuXia
10 V2d9umHiuPLYLIDsuHj0fr0EmreCZMaA
10 v9zaxkVA0dIOLITZY2uoCtB1fX2gmly9
10 VkBAEWyIibVkeURZV5mowiGg6i3m7Be0
10 w4zUWFGTURAAh8lNkS8gH3WK2zowBEkA
10 WBqr9xvf6mYTT5kLcTGCG6jb3ex94xWr
10 wJNwumEX58RUQTrufHMcIWz5Yx10GtTC
10 X1JHOUkrb4KgugMXIzMWWIWvRkeZleTI
10 XyeJdbrUJyGtdGx8cXLQST0pwu5cvpcA
10 yo0HbSe2GM0jJNhRQLxwoPp7ayYEmRKY
10 ySvsTwlMgnUF0n86FgmN2TNjkS0LrV72
10 Z90C6DQpppreChPhwRJjV9YYTtrxNVc0
10 zdd2ctVver0GeiS2WE3TeLZMeL5jL7iM
bandit8@bandit:~$
```

Level 9-10

```
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:~$
```

Level 10-11

```
* gef (https://github.com/hugsy/gef) in /usr/local/gef/
* pwndbg (https://github.com/pwndbg/pwndbg) in /usr/local/pwndbg/
* peda (https://github.com/longld/peda.git) in /usr/local/peda/
* gdbinit (https://github.com/gdbinit/Gdbinit) in /usr/local/gdbinit/
* pwntools (https://github.com/Gallopsled/pwntools)
* radare2 (http://www.radare.org/)
* checksec.sh (http://www.trapkit.de/tools/checksec.html) in /usr/local/bin
/checksec.sh

--[ More information ]--

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Enjoy your stay!

bandit10@bandit:~$ cat data.txt
VGhlIHBhc3N3b3JkIGlzIElGdWt3S0dzRlc4TU9xM0lSRnFyeEUxaHhUTkViVVBSCg==
bandit10@bandit:~$ echo "VGhlIHBhc3N3b3JkIGlzIElGdWt3S0dzRlc4TU9xM0lSRnFyeEUxaH
hUTkViVVBSCg==" | base64 --decode
The password is IFukwKGsFW8MQ3IRFqrxE1hxTNEbUPR
bandit10@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
kvss@kvss-VirtualBox:~$
```

Level 11-12

```
* pwndbg (https://github.com/pwndbg/pwndbg) in /usr/local/pwndbg/
* peda (https://github.com/longld/peda.git) in /usr/local/peda/
* gdbinit (https://github.com/gdbinit/Gdbinit) in /usr/local/gdbinit/
* pwntools (https://github.com/Gallopsled/pwntools)
* radare2 (http://www.radare.org/)
* checksec.sh (http://www.trapkit.de/tools/checksec.html) in /usr/local/bin/
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Enjoy your stay!

bandit11@bandit:~$ ls
data.txt
bandit11@bandit:~$ cat data
cat: data: No such file or directory
bandit11@bandit:~$ cat data.txt
Gur cnffjbeq vf 5Gr8L4qetPEsPk8htqjhRK8XSP6x2RHH
bandit11@bandit:~$ cat data.txt | tr 'A-Za-z' 'N-Z-Mn-za-m'
Tmm alddhzcmm md 5Tm8Y4mcmnRmni8fmmhfpX8vqn6m2pUf
bandit11@bandit:~$ cat data.txt | tr 'A-Za-z' 'N-ZA-Mn-za-m'
The password is 5Te8Y4drgCRfCx8ugdwuEX8KFC6k2EUu
bandit11@bandit:~$
```

Level 12-13

```

bandit12@bandit:/tmp/bandit$ gzip -d new.gz
gzip: new.gz: No such file or directory
bandit12@bandit:/tmp/bandit$ mv new new.tar
bandit12@bandit:/tmp/bandit$ tar -x -f new.tar
bandit12@bandit:/tmp/bandit$ ls
data data5.bin data6.bin.out data8.bin data.txt new.tar
bandit12@bandit:/tmp/bandit$ mv data5.bin data5.tar
bandit12@bandit:/tmp/bandit$ mv data6.bin data.bz2
mv: cannot stat 'data6.bin': No such file or directory
bandit12@bandit:/tmp/bandit$ mv data6.bin.out data.bz2
bandit12@bandit:/tmp/bandit$ bzip2 -d data6.bz2
bzip2: Can't open input file data6.bz2: No such file or directory.
bandit12@bandit:/tmp/bandit$ bzip2 -d data.bz2
bzip2: Output file data already exists.
bandit12@bandit:/tmp/bandit$ mv data.bz2 data6.tar
bandit12@bandit:/tmp/bandit$ tar -x -f data6.tar
bandit12@bandit:/tmp/bandit$ ls
data data5.tar data6.tar data8.bin data.txt new.tar
bandit12@bandit:/tmp/bandit$ mv data8.bin data8.gz
bandit12@bandit:/tmp/bandit$ ls
data data5.tar data6.tar data8.gz data.txt new.tar
bandit12@bandit:/tmp/bandit$ file data8
data8: cannot open 'data8' (No such file or directory)
bandit12@bandit:/tmp/bandit$ gzip -d data8.gz
bandit12@bandit:/tmp/bandit$ file data8
data8: ASCII text
bandit12@bandit:/tmp/bandit$ cat data8
The password is 8ZjyCRiBWFYkneahHwxCv3wb2a10RpYL
bandit12@bandit:/tmp/bandit$

```

Level 14-15

```

Enjoy your stay!

bandit13@bandit:~$ ls
sshkey.private
bandit13@bandit:~$ ssh -i sshkey.private bandit14@localhost
Could not create directory '/home/bandit13/.ssh'.
The authenticity of host 'localhost (127.0.0.1)' can't be established.
ECDSA key fingerprint is SHA256:98UL0ZW85496EtCRkKlo20X30PnyPSB5tB5RPbhczc.
Are you sure you want to continue connecting (yes/no)? yes
Failed to add the host to the list of known hosts (/home/bandit13/.ssh/known_hosts)
? Help
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames

Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux

```

```

  .--.  .--.  .--.
 /  /  /  /  /  /
:  :  :  :  :  :
 \  \  \  \  \  \
  --  --  --  --

```

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Enjoy your stay!

```
bandit14@bandit:~$ ls
bandit14@bandit:~$ ls -a
.  ..  .bash_logout .bashrc .profile .ssh
bandit14@bandit:~$ cat /etc/bandit_pass/bandit14
4wcYUJFw0k0XLShlDzztnTBHlqxU3b3e
bandit14@bandit:~$ exit
logout
Connection to localhost closed.
bandit13@bandit:~$
```

Level 15-16

```
kvss@kvss-VirtualBox: ~
* gdbinit (https://github.com/gdbinit/Gdbinit) in /usr/local/gdbinit/
* pwntools (https://github.com/Gallopsled/pwntools)
* radare2 (http://www.radare.org/)
* checksec.sh (http://www.trapkit.de/tools/checksec.html) in /usr/local/bin
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Enjoy your stay!

bandit14@bandit:~$ ls -a
.  ..  .bash_logout .bashrc .profile .ssh
bandit14@bandit:~$ cat /etc/bandit_pass/bandit14
4wcYUJFw0k0XLShlDzztnTBHlqxU3b3e
bandit14@bandit:~$ nc localhost 30000
4wcYUJFw0k0XLShlDzztnTBHlqxU3b3e
Correct!
BfMYroe26WYalil77FoDi9qh59eK5xNr

bandit14@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
kvss@kvss-VirtualBox:~$
```