

```
Command Prompt
bandit0@bandit: ~
--[ Tools ]--
For your convenience we have installed a few useful tools which you can find
in the following locations:
* gef (https://github.com/hugsy/gef) in /opt/gef/
* pwndbg (https://github.com/pwndbg/pwndbg) in /opt/pwndbg/
* peda (https://github.com/longld/peda.git) in /opt/peda/
* gdbinit (https://github.com/gdbinit/gdbinit) in /opt/gdbinit/
* pwntools (https://github.com/Gallopsled/pwntools)
* radare2 (http://www.radare.org/)
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!
bandit0@bandit:~$
bandit0@bandit:~$ ls
readme
bandit0@bandit:~$ cat readme
NH2SXQwcBdpmTEzi3bvBHMM9H66vVXjL
bandit0@bandit:~$ |
```

Bandit 0

Host:- bandit0@bandit.labs.overthewire.org

Pass=bandit0

The pass for the next level is stored in a file called readme.txt so on finding the file using the ls cmd I used the cat cmd on it to get the contents in the file and I got the pass for the next level

```
Command Prompt
bandit1@bandit: ~
In addition, the execstack tool can be used to flag the stack as
executable on ELF binaries.
Finally, network-access is limited for most levels by a local
firewall.
--[ Tools ]--
For your convenience we have installed a few useful tools which you can find
in the following locations:
* gef (https://github.com/hugsy/gef) in /opt/gef/
* pwndbg (https://github.com/pwndbg/pwndbg) in /opt/pwndbg/
* peda (https://github.com/longld/peda.git) in /opt/peda/
* gdbinit (https://github.com/gdbinit/gdbinit) in /opt/gdbinit/
* pwntools (https://github.com/Gallopsled/pwntools)
* radare2 (http://www.radare.org/)
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:~$
bandit1@bandit:~$ ls
-
bandit1@bandit:~$ cat <-
rRGiz5aX0Mk1RTb1CkQoKtCY2M0lgrzi
bandit1@bandit:~$ cd ..
bandit1@bandit:/home$ ls
bandit0  bandit15  bandit21  bandit27-git  bandit30-git  bandit6  drifter12  drifter5  formulaone2  krypton4
bandit1  bandit16  bandit22  bandit28  bandit31  bandit7  drifter13  drifter6  formulaone3  krypton5
```

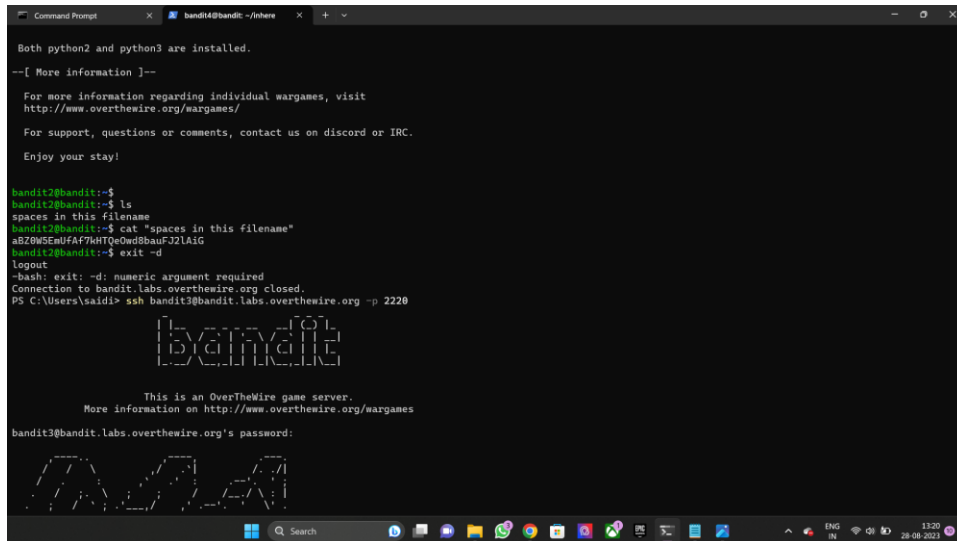
Bandit 1

Host= bandit1@bandit.labs.overthewire.org

Post=2220

Pass= NH2SXQwcBdpmTEzi3bvBHMM9H66vVXjL

The pass for the next level is contained in a file called “-” located in the home directory since we cant use cat cmd on special charecters like - I used the sign < - afer the cat cmd to mention it’s a directory and displayed its contents and I got the pass for the next level



```
Command Prompt
bandit4@bandit: ~/jshere

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:~$
bandit2@bandit:~$ ls
spaces in this filename
bandit2@bandit:~$ cat "spaces in this filename"
aBZ0W5EmiFA/Plu4tQcQw8BauFJ2LaIG
bandit2@bandit:~$ exit ~d
logout
-bash: exit: ~d: numeric argument required
Connection to bandit.labs.overthewire.org closed.
PS C:\Users\saidi> ssh bandit3@bandit.labs.overthewire.org -p 2220

  OverTheWire
  Bandit 3

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

bandit3@bandit.labs.overthewire.org's password:
  OverTheWire
  Bandit 3
```

Bandit 2

[Host=bandit2@bandit.labs.overthewire.org](https://bandit2@bandit.labs.overthewire.org)

Port=2220

Pass= rRGizSaX8Mk1RTb1CNQoXTcYZWU6lgzi

The password for the next level is in a file called “spaces in the filename” since we cant use the normal cat cmd on file names with spaces I mentioned the file name in double quotes to open its contents (I know this can also be done by bypassing the spaces with a / in place of a space) and I got the pass for the next level

Port=2220

Pass= 2EW7BBsr6aMMoJ2HjW067dm8EgX26xNe

The password for the next level is contained in a human readable file(I only got to know what is meant and could have done it faster as I am writing this) so on going to the inhere directory I used the cat cmd on every file present there and found the pass for the next level in file07

```
bandit5@bandit:~$  
bandit5@bandit:~$ ls  
inhere  
bandit5@bandit:~$ cd inhere  
bandit5@bandit:~/inhere$ ls  
maybeh ere00 maybeh ere08 maybeh ere12 maybeh ere16  
maybeh ere01 maybeh ere05 maybeh ere09 maybeh ere13 maybeh ere17  
maybeh ere02 maybeh ere06 maybeh ere10 maybeh ere14 maybeh ere18  
maybeh ere03 maybeh ere07 maybeh ere11 maybeh ere15 maybeh ere19  
bandit5@bandit:~/inhere$ find . -readabl r -size 1033c !-executable  
-bash: !-executable: event not found  
bandit5@bandit:~/inhere$ find . -readabl e -size 1033c ! -executable  
./maybeh ere07/.file2  
bandit5@bandit:~/inhere$ cd maybeh ere07  
bandit5@bandit:~/inhere/maybeh ere07$ ls  
-file1 -file3 spaces file2  
-file2 spaces file1 spaces file3  
bandit5@bandit:~/inhere/maybeh ere07$ cat -file2  
367tsefPRVCaHUGwclCb0zpij9Ue2VZecZclFj1NHPIaImERBw6CpLRd3JsyUvZapePheLUWai750jaGfNpG39BgorbwLPuHfDeh2XLLzrC4jfm8.3LYT0jeVkiWwVFcUUSelyHMs0zJ2gYqZLIInRf1  
WocKGGDR9ICfCaMWeIBRUB8svxdN6vc8jhbq3RIteGq8SWLKPzGNPCwYcCulhCqgdtfgbqeyVaYIEDfetHSIs1BU1lPm113A2Yessw79cJf3kV1Mpw8gpmLFaCUCJnyhclAes1FeQ1e5Vaxcxe011  
DCx67eHoQ13lwxCB4tGvze1jmd022AEVOA5FzEcXNcmZ0Bwdbv49AzLyIDmrS2XGZFDKLRVoF89LzUABXqMP09B10fSQ1tGs0Npgy6PQAJNGC4tQcUay14f5Lw77WV3f91GLz2fCtCh3f5vYw2FO  
Yfbp0835BMSCS9Ub8JmJHYC3FR1Z6uMgpc-2Z1E3H7zPr3t6qEAXAB53cmt1Tm68PluppbApPsASkjJtC4h103w4kdjNLY2CdLFUZTse9z2Hwuo7NekL8kkh0qFLDFCetfXLaFf3PmWxG69zw8stf  
c1vQmDesguh4zr1CS08-86330499w0C-2Bzr5dZy3B3uMFWz2zJbHPN3CAs1tpe1v1PR1Yd09mTb1LY01RmLEeswyFB9Qm0aFgMGL853JahexXLBh8uaj11z2706Lndre4mdNG4  
0VzehCMzseveQ3fct8LqY78vz85nJ1197v4KQv765SV6mSevNOMj9187uQlW1Ktq8KEfRhs9k1i4a321G-sBmQ1aa7EC3CAf8xumLI1T4uAHAQmPko1GzamtNSV81ofu8cV83s0Ub92wIZ7XC2z3  
m8Kut01RwJ3L2K1srW1jpnDmV1Q2PULv4RBRvYvC4AFYLL1PSKraimoTSTsxeCmFSOXUpCdFresPVRs7dQZ3Z4DMFdvKp6PH4Nu4LwPMQQU84q7Y1z1vChFmGt8nIGBv07Fw1f6tJbg5WjbbVt  
7ogeZCadphPyZf80pZVysJLdvb183FCzom6aJ16xDeJesMPYqas1gmDmL8pDbJYalGkXy73Qquv0HsF27Ks8KMaQz94Y3CvenLPSHPCRTcm0076suMpG8BUdaxGkfW9RCshPgmcHFUWEd  
jyP1V7TTC0V4p0y180NSX1Z6ssu3S80h0pJ071Yv7FzL1BmF5c2110vGt1t3p0L1FADLV9m1ZmHGdzCtV1Z0uc9WQ1jzCR759p1S6FLG908zrzr3w3Q08TzueA6683nZu053K  
1KXfMFYd33w3v3za21LayF093IdyQV45vnc6LXqF0Z010-8MQZuLZ0408Y1Q477QRfGmES5Gve7VMDGneHgQ8093UyN8thWGFz4J5n3QNMtgnTEGyYHuaaT03VADfXAmLaiNkz1Llve3K  
H0J1Jfwmf62REaY9GyWau8LSz8j31TBW4fhghpLHakVefCf5ayhBX4TuhuvhX6ac18GIB1v5sQcWU4upRlqMnCXDDP1ALtpTa03EYTSU1aUcG9hTGB8tyBBw7vQ0r3490lyczqgy7skg  
d6Lzic2B1kjpjkn2vqCzCwE54fT4J5Sb0LZn2MbFmW33AFaYv0SARLm2LlqE6yT11IGCVUv4hJkDp8oSyBURITNnCwTVVhdeByb09VXMRafxBqZNo4V21fQdy4m0rbahCq8bLyqy1b8  
D2EBUuV1v5bah5zefF4hRHS9160u44n1uG1v035B8GmL40FTDhyyrm1EntNMh2zg8B1cln13WLG0308LpyX2ar0X9kv20mFmbydy0Yf4aqlpcfc3rx3hneVuu1Pw151fXsl1763p  
Rbdf8NazeqFD1D88B8HABHRZgdeFyYkYbH2G2H18FC3BQJVLu1JLGH7P7P4u1qza6Q2N3r24yG1k1NA2v31ABp11nonni2uBmTpnNaagMnxr3fZal1W0XBYt61c15Mcmkoi1Pa0PvcbX0xtt0C  
SwoshNSq6GfYpMwUc31HD3HE1f5nJ4G6210Rsl1TnxpYfNmHSPJmL7KN83sw0BwvSubE2EWb2nphMADWZ06aemoxTcP6Rf179cCq9P28x1NnV83QGBMVDnEp1h2YXQ25yP66TfoIv3JchSKRw4NF66t  
rS6UPHsvEIRBUJknjQdLzu086C76a1nxVTKX1XOFHkpd110Z2W9ModpTFJLcNePQYkrvpufMjFtBgyEFwS5S2rzbpz1qZ5T7vmlPE101D2PuCBHw1P14n1HPfWldvDezkLLureVodIE  
bandit5@bandit:~/inhere/maybeh ere07$ cat maybeh ere07/.file2  
B4Uvudcmn617V17JG4pSf3YKq4
```

Bandit 5

Host=bandit5@bandit.labs.overthewire.org

Port=2220

Pass= lrlWWI6bB37kxfiCQZqUdOIYfr6EeqR

The pass for the next level is stored in a file which has the following properties

.human readable ,1033 byres in size and not executable

On using the find cmd with the given properties I found a file in the maybeh ere07/.file2

On on using the cat cmd on the file02 I got the pass for the next level

```
Command Prompt
bandit6@bandit: ~
find: '/run/user/11019': Permission denied
find: '/run/user/11011': Permission denied
find: '/run/user/11009': Permission denied
find: '/run/user/11007': Permission denied
find: '/run/user/11000': Permission denied
find: '/run/user/11014': Permission denied
find: '/run/user/11012': Permission denied
find: '/run/user/11001': Permission denied
find: '/run/user/11023': Permission denied
find: '/run/user/11000': Permission denied
find: '/run/user/11013': Permission denied
find: '/run/user/11032': Permission denied
find: '/run/user/11004': Permission denied
find: '/run/user/11020': Permission denied
find: '/run/user/11006/systemd/inaccessible/dir': Permission denied
find: '/run/user/11005': Permission denied
find: '/run/user/11024': Permission denied
find: '/run/sudo': Permission denied
find: '/run/screen/S-bandit33': Permission denied
find: '/run/screen/S-bandit22': Permission denied
find: '/run/screen/S-bandit23': Permission denied
find: '/run/screen/S-bandit19': Permission denied
find: '/run/screen/S-bandit20': Permission denied
find: '/run/screen/S-bandit24': 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/pstore': Permission denied
find: '/sys/fs/bpf': Permission denied
bandit6@bandit:~$ cat /var/lib/dpkg/info/bandit7.password
z7WtoQU2xfjmtWABu5rN4vzqu4v99S
bandit6@bandit:~$
```

Bandit 6

[Host=bandit6@bandit.labs.overthewire.org](https://bandit.labs.overthewire.org)

Port=2220

Pass= P4L4vucdmLnm8I7VI7jG1ApGSfjYKqJ4U

The pass for the next level is stored in a file which has the following properties

.owned by user bandit 7, owned by group bandit 6 , 33 bytes in size

So on using the find cmd with the given properties I find a lot of files but a lot of them display the message "Permission denied" on the side as you can see in the picture above so on finding the only file without the permission denied I find out the path of the file is /var/lib/dpkg/info/bandit7.password so on using the cat cmd on the path I got the pass for the next level

```
Command Prompt
bandit7@bandit: ~
astutely F98tQqGsuZk0n0uMehw3PD0vBbukNt3
workout GTcnfBD0AsyEBzJ3camojrXo5DdLME
phalanx's H8BoT6oG5p0MuXc1jxmWU2XBPOVv7
latecomers PFKjV3eGevaVy2NLK1IPmRP9nOxL399
Bialystok H98K1aM584UQvV5P5iUvDojRnaCB7N1
schoolboy l5wFpauuLcYqgR9P1F0MLTheZpL2w3
neuter x18yMhDIDISW129IE6oG4d0B1HhVtc
primitives v1a5273NC8Qun9wGVyCqGHydhVwqLR
hostage's bVPRtr56Ys5sDN51uiqfv5CNW58k3G3Ga
montage 2tUg0v0f9w1Pauu07q1s8nqfpx0pxYK
preservation jPf4dM0Aawvzmp7GdmhC0a9jYEmRiY
Ellie dtgNlp5XGQq4qr0S0Z23RU04a85EJEW
herringboned KSRBYGaA3GbYeqR604KfssGL3DxQW5a
satisfying Jlphe0uzFzFxrTm8pomL77f75r931ph
strangulation u040Q0Yt5evkAaQh5s4RmT6o2z5B
severing Qalyq0bt5jfywn31fW1xuCR8F8Vq4B
bigger pZt1LVZ131E1S51En16URP9Cv4f0Xc
circus's jT65tmrV6hgQ5GoorZwvLZjmplYXRCTm
transvestism's v09h2vYcUPgZAC0wVM98qV4EY84Gpw
sering 6ag0M4XGDErVPWtrZdUzr5fXVNmUdIfLz
bourgeoisie's owj9DyFR5LbZfGhAy9tJX4HYBn5HzZ
delegation's DkFq0U0HmpHXaYqGyBkgic1JZ3b10
hault tWQCtyzTQ22o5wdeh3YQ08p45uG
mosquitos 0G3p8zLXNuRUZepL1zPnL51ApDXdqB5M
cruel Qp3d1K15mdgo3Vbh8RfK6puJAaIPv4f
swampy VL7ATMhCPlX855XT3vaAM6PvPsvTm
luncheon's j68Ld0xYqubFF7zrcGm0NaaGJA1
requisition q8K1SX2R5yemkxIEheH3LuiQ3bhl1
complainant 2G6oLY9rGh10qe8Zv1amsKaIm089dkH
scattered Ucg17ZjPpEXUmGFIYDXjtv51Ewdt18
dandle l47yq300Vgm3yW595h3c0w9VhR
mastery's XMoLpThW785T7TQ5y2v8v8SK5DdhQeEV
graphs s1990kzmzmgMuQwKdyM726GoSrdkCxAa
crumbed FLR8bocQ0TAKHynGT5H0qchZ2nxXW
neanness's T1kX7hQz5t4Ck4p6o6a2uJ2NfD97
Caesarean mKq51Xfzsz9R7QVpU7608590HT78ACPw
bandit7@bandit:~$ grep millionth data.txt
millionth 16SKzC4XvtetK059xNmz55Th1wCvUv
bandit7@bandit:~$
```

Bandit 7

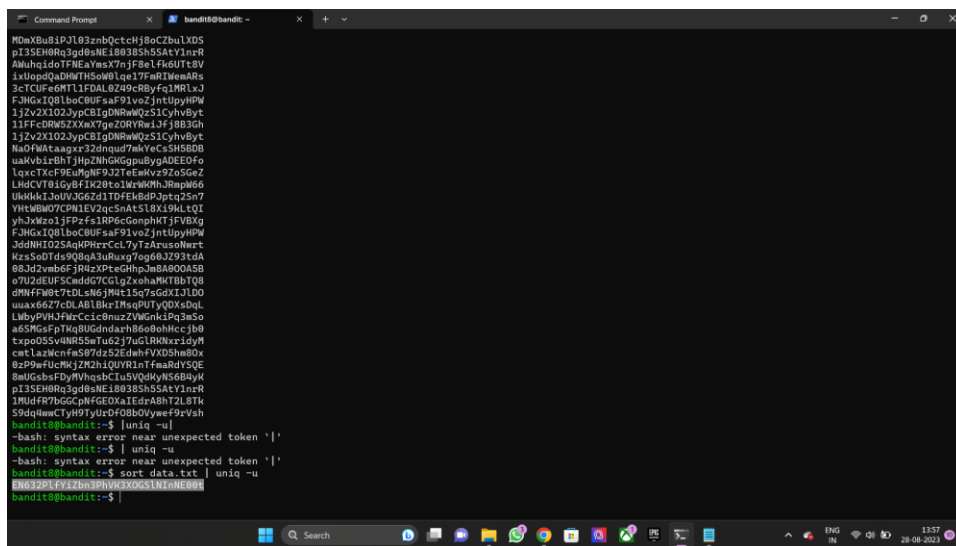
[Host=bandit7@bandit.labs.overthewire.org](https://bandit.labs.overthewire.org)

Port=2220

Pass= z7WtoNQU2XfjmMtWA8u5rN4vzqu4v99S

So according to the data the pass for the next level is stored in a file named data.txt and next to a word "millionth"

So I found the data.txt using the find cmd (unfortunately cannot be seen in the above screen shot) on using the cat cmd on the data.txt I get a lot of strings with different possible pass next to then since its not advised to look for the pass manually I used the grep cmd to find the word millionth in the data.txt and along with the word millionth I got the pass for the next level next to it as one can see in the pic above



```
Command Prompt
bandit8@bandit: ~
MDwX8uBAPJl032nbQctchjBoCZbuLXDS
p13SEH8Rq3gd0sNE188385S5AtY1nR
AuhuqidoTFNEaYas7nJfB8Lf6uT8V
ixUopdQaDmTH5sw0Lqe17fmR1WemARs
3etCUF46MTL1FDALz2PQRbYfclMRLx3
F3HGx1QB1boC8Uf saF91voZjntUpyHPW
1jZv2X102JypCB1gDNRWQzS1CyhvByt
11FFCDRW5ZXax7geZORYW1Jfj8B3Gh
1jZv2X102JypCB1gDNRWQzS1CyhvByt
NaOFNATAagxr32dnqud7ahVeCsSHS8DB
uaKvb1rBhtjH2NhhGgguBygADEEOfo
LqxcTXcF9eufgNF9J2TeEwKvz9Zo5GeZ
LndCVT81GyBf1z2Bt3YewWh3Rmpd66
UKkkk13oUvJG6Zd1TDFEK8dP3ptq25n7
YHTWBM07CPN1EV2qcSnAtS18X19KltQI
yhJxWzo1jPzfaiRP6cGonphKtjFVBXg
F3HGx1QB1boC8Uf saF91voZjntUpyHPW
JddNH102SagMPHrCcl7yTzArusoNart
KzsSoDtds9Q8q43uRuxg7og6hJZ93tdA
08Jd2vmb6fJRdzXpteGHP3m8A80QASB
o7U2dEUF5Cndd67KClgZeehMHTBtQB
dNMFw8t7LdLsM6jMq1S97sGdX1JLDD
uux667cdLAB1Bkr1MsqPUTyQDXsDqL
LWbypVHJFmCcic8nuZVWgnk1Pq3nSo
a6SnsfP1ag8Gmdahh86hohicej89
txpo055v4NR5Swtu62j7aGLRMkxridyM
cat lazWcnFmS07dz5ZedwhFVXDShn80x
8zP9efUcMjZMh1QUVRInfmardYSQE
8mUGab5FdyVWnqakCtaS9QdyNSd8byK
p13SEH8Rq3gd0sNE188385S5AtY1nR
1MudFR7bGGCpNFGE0XaIEdrABH72L8Tk
S9dq4wCTjH91YUrQF08b0VyweF9zVsh
bandit8@bandit:~$ cat data.txt
bandit8@bandit:~$ grep millionth data.txt
TESKZC0XvTetK0S9xNwm25STk5iWrBvP
bandit8@bandit:~$
```

Bandit 8

[Host=bandit8@bandit.labs.overthewire.org](https://bandit.labs.overthewire.org)

Port=2220

Pass= TESKZC0XvTetK0S9xNwm25STk5iWrBvP

So according to the website the pass for the next level is contained in a file called data.txt next to the string which only appers once so by using the sort cmd to sort the data in data.txt alphabetically and used uniq cmd to find the unique lines and then got the pass for the next level

The pass for the next level is stored in a file data.txt which contains base64 encoded pass for the next level so I first used the cat cmd to display its contents and then used the cmd base64 -d on the file which basically decrypts the data and I got the pass for the next level