

```
Activities Terminal Mar 6 22:29 bandit11@bandit: ~

This machine has a 64bit processor and many security-features enabled
by default, although ASLR has been switched off. The following
compiler flags might be interesting:

-m32             compile for 32bit
-fno-stack-protector  disable ProPolice
-Wl,-z,norelro    disable relro

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 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/l0ngl0/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!

bandit11@bandit:~$ ls -la
.  .. .bash_logout .bashrc data.txt .profile
bandit11@bandit:~$ cat data.txt
Gur cnffjbeq vf 5Gr8L4qetPEsPk8htqjhRK8XSP6x2RHh
bandit11@bandit:~$ tr a-zA-Z n-za-mN-ZA-M
Gur cnffjbep vf 5Gr8L4qetPEsPk8htqjhRK8XSP6x2RHh
The password is 5Te8Y4drGRfcX8ugdWuEX8KFCdk2EUu
```

```
Activities Terminal Mar 6 22:26 bandit10@bandit: ~  
  
--[ Tips ]--  
  
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* peda (https://github.com/l0ngl0/peda.glt) in /usr/local/peda/  
* gdbinit (https://github.com/gdbinit/Gdbinit) in /usr/local/gdbinit/  
* pwntools (https://github.com/Gallopsled/pwntools)  
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--[ More Information ]--  
  
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#wargames.  
  
Enjoy your stay!  
  
bandit10@bandit:~$ ls -a  
. . . .bash_logout .bashrc data.txt .profile  
bandit10@bandit:~$ man base64  
bandit10@bandit:~$ base64 -d data.txt  
The password is IFukwKGSFW8MQ3IRFqrxE1hxTNEbUPR  
bandit10@bandit:~$
```

```
Activities Terminal Mar 6 22:24 bandit9@bandit: ~

executable on ELF binaries.

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firewall.

--[ Tools ]--

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* 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

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Enjoy your stay!

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

```
Activities Terminal Mar 6 22:22 bandit0@bandit: ~

-Wl,-z,norelro      disable relro

In addition, the execstack tool can be used to flag the stack as
executable on ELF binaries.

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Enjoy your stay!

bandit0@bandit:~$ ls -la
.  ..  .bash_logout  .bashrc  data.txt  .profile
bandit0@bandit:~$ grep millionth
gresorss
clear
^L
clear
clear
clear
^Z
[1]+  Stopped                  grep millionth
bandit0@bandit:~$ sort data.txt | uniq -u
UsvVyFSfZZWbl6wgC7dAFyFUR6JQQUhR
bandit0@bandit:~$
```

```
Activities Terminal Mar 6 22:15 bandit7@bandit: ~

--[ Tips ]--

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by default, although ASLR has been switched off. The following
compiler flags might be interesting:

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-Wl,-z,norelro  disable relro

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* peda (https://github.com/l0ngld/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

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Enjoy your stay!

bandit7@bandit:~$ ls -la
. . . . .bash_logout .bashrc data.txt .profile
bandit7@bandit:~$ grep millionth data.txt
millionth cvX2JJJa4CFALtqS87Jk27qwqGhBM9p1V
bandit7@bandit:~$
```



```
Activities Terminal Mar 6 22:13 bandit6@bandit: ~

--[ Tips ]--

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--[ Tools ]--

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* pwndbg (https://github.com/pwndbg/pwndbg) in /usr/local/pwndbg/
* peda (https://github.com/l0ngld/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

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Enjoy your stay!

bandit6@bandit:~$ ls -la
total 12
-rw-r--r-- 1 bandit6 bandit6 4096 Mar 6 22:13 .bash_logout
-rw-r--r-- 1 bandit6 bandit6 4096 Mar 6 22:13 .bashrc
-rw-r--r-- 1 bandit6 bandit6 4096 Mar 6 22:13 .profile
bandit6@bandit:~$ cat /var/lib/dpkg/info/bandit7.password
HKBPTKQnIay4Fw76bEy8PVxKEDQRKTzs
bandit6@bandit:~$
```

```
Activities Terminal Mar 6 22:11 umme@umme: ~

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/l0ngld/peda.git) in /usr/local/peda/
* gdbinit (https://github.com/gdbinit/cdbinit) 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

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Enjoy your stay!

bandit5@bandit:~$ ls -la
. . . .bash_logout .bashrc inhere .profile
bandit5@bandit:~$ cd inhere
bandit5@bandit:~/inhere$ ls -la
. . maybehere00 maybehere02 maybehere04 maybehere06 maybehere08 maybehere10 maybehere12 maybehere14 maybehere16 maybehere18
.. maybehere01 maybehere03 maybehere05 maybehere07 maybehere09 maybehere11 maybehere13 maybehere15 maybehere17 maybehere19
bandit5@bandit:~/inhere$ find . -type f -size 1033c ! -executable
./maybehere07/.file2
bandit5@bandit:~/inhere$ cta ./maybehere07/.file2
-bash: cta: command not found
bandit5@bandit:~/inhere$ cat ./maybehere07/.file2
DXJZPULLxYr17UwoI0ibNLQbtFemEgo7

bandit5@bandit:~/inhere$ cd ..

bandit5@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
umme@umme:~$
```

```
Activities Terminal Mar 6 22:06 bandit4@bandit: ~/inhere

Finally, network-access is limited for most levels by a local
firewall.

--[ Tools ]--

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* pwndbg (https://github.com/pwndbg/pwndbg) in /usr/local/pwndbg/
* peda (https://github.com/l0ngld/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

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Enjoy your stay!

bandit4@bandit:~$ ls -la
. . . .bash_logout .bashrc inhere .profile
bandit4@bandit:~$ cd inhere
bandit4@bandit:~/inhere$ ls -la
. . . -file00 -file01 -file02 -file03 -file04 -file05 -file06 -file07 -file08 -file09
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
koReBOKuIDDepwhk7jZC0RTdppnAYKh
bandit4@bandit:~/inhere$
```



```
Activities Terminal Mar 6 22:04 bandit3@bandit: ~/inhere

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--[ Tools ]--

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* peda (https://github.com/l0ngl0/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

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Enjoy your stay!

bandit3@bandit:~$ ls -la
.  .. .bash_logout .bashrc inhere .profile
bandit3@bandit:~$ cd inhere
bandit3@bandit:~/inhere$ ls -la
.  .. .hidden
bandit3@bandit:~/inhere$ cat .hidden
pIwrPrtPN3cQITSp3EQaw936yaFofgAB
bandit3@bandit:~/inhere$
```

```
Activities Terminal Mar 6 22:03 bandit2@bandit: ~

--[ Tips ]--

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* 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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Enjoy your stay!

bandit2@bandit:~$ ls -la
total 16
-rw-r--r-- 1 bandit2 bandit2 4096 Mar 6 22:03 .bash_logout
-rw-r--r-- 1 bandit2 bandit2 4096 Mar 6 22:03 .bashrc
-rw-r--r-- 1 bandit2 bandit2 4096 Mar 6 22:03 .profile
spaces in this filename
bandit2@bandit:~$ cat 'spaces in this filename'
UmHAdQc1WmgdLOKQ3YNgJWxG0RMbsLUK
bandit2@bandit:~$
```

```
Activities Terminal Mar 6 22:02 bandit1@bandit: ~

This machine has a 64bit processor and many security-features enabled
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* gdbinit (https://github.com/gdbinit/gdbinit) in /usr/local/gdbinit/
* pwntools (https://github.com/Gallopsled/pwntools)
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Enjoy your stay!

bandit1@bandit:~$ la -a
-bash: la: command not found
bandit1@bandit:~$ ls -a
. . . .bash_logout .bashrc .profile
bandit1@bandit:~$ cat ./-
CV1DtqXWVFXTvM2F0k09SHZ0YwRINYA9
bandit1@bandit:~$
```

```
Activities Terminal Mar 6 22:00 bandit0@bandit: ~

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* peda (https://github.com/l0ng1d/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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Enjoy your stay!

bandit0@bandit:~$ ls
readme
bandit0@bandit:~$ cat readme
bo39JbbUNNfktD7800psq0ltutMc3MY1
bandit0@bandit:~$
```