



BANDIT WAR GAME

- ✓ Course: Foundation of Information Technology,
- ✓ Course code: IT1113
- ✓ Semester 1-ICA 03

Registration No: 2022ICT23

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Bandit War Game is,

A game focus on basic linux command line skills which teaches how to navigate directories, list files, read file contents and search techniques like ls, cat, cd and more.

Lets get in to the levels step by step.

Bandit War Game :Level 0

- First, we have to open a terminal. Here, I use command prompt application.
- In the beginning of the game we use SSH to remotely connect to a machine. This protocol SSH aims for a secure communication between the machines.
- Then I logged into the sever using **bandit.labs.overthewire.org** and username used was bandit0 and password is bandit0.

```
Microsoft Windows [Version 10.0.26100.2454]
(c) Microsoft Corporation. All rights reserved.

C:\Users\USER>ssh bandit0@bandit.labs.overthewire.org -p 2220
```

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

bandit0@bandit.labs.overthewire.org's password:
```

```
www. ver he ire.org

Welcome to OverTheWire!

If you find any problems, please report them to the #wargames channel on
discord or IRC.
```

```
--[ Playing the games ]--

This machine might hold several wargames.
If you are playing "somegame", then:
```



```
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/
* gdbinit (https://github.com/gdbinit/Gdbinit) in /opt/gdbinit/
* pwntools (https://github.com/Gallopsled/pwntools)
* radare2 (http://www.radare.org/)
```

```
--[ 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:~$ |
```

Bandit War Game :Level 0 – Level 1

The password for the next level is stored in a file called **readme** located in the home directory. Use this password to log into bandit1 using SSH. Whenever you find a password for a level, use SSH (on port 2220) to log into that level and continue the game.

- commands used : [ls](#), [cd](#), [cat](#)

Now we get the password we need to log into **bandit1** using SSH.

```

Command Prompt
X + v

For support, questions or comments, contact us on discord or IRC.

Enjoy your stay!

bandit0@bandit:~$ ls
README
bandit0@bandit:~$ cat README
Congratulations on your first steps into the bandit game!!
Please make sure you have read the rules at https://overthewire.org/rules/
If you are following a course, workshop, walkthrough or other educational activity,
please inform the instructor about the rules as well and encourage them to
contribute to the OverTheWire community so we can keep these games free!

The password you are looking for is: ZjLjTmM6FvvyRnrb2rfNW0Z0Ta6ip5If

bandit0@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.

C:\Users\USER>ssh bandit1@bandit.labs.overthewire.org -p 2220
Connection closed by 16.16.163.126 port 2220

C:\Users\USER>ssh bandit1@bandit.labs.overthewire.org -p 2220

      _-_-_-_-_-_-_-_  |CO|
    _|D|\C|I|\C|I|_|
   |___/\___||_|_|_|_|

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

bandit1@bandit.labs.overthewire.org's password:

  AAAAAAAAAAAAAA
  BBBBBBBBBBBB
  CCCCCCCCCCCC

```

Bandit War Game :Level 1 – Level 2

The password for the next level is stored in a file called `next_level` — located in the home directory.



```
Command Prompt
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 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/
* gdbinit (https://github.com/gdbinit/Gdbinit) in /opt/gdbinit/
* pwntools (https://github.com/Gallopsled/pwntools)
* radare2 (http://www.radare.org/)

--[ More information ]--

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Enjoy your stay!

bandit1@bandit:~$ ls
-
bandit1@bandit:~$ cat ./-
263JGJPfgU6LtdEvgfWU1XP5yac29mFx
bandit1@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
```

Bandit War Game :Level 2 – Level 3

The password for the next level is stored in a file called **spaces in this filename** located in the home directory. **so we need to add a backward slash (\) after each word.**

```
bandit2@bandit:~$ ls  
spaces in this filename  
bandit2@bandit:~$ cat spaces\ in\ this\ filename  
MNk8KNH3Usii041PRUEoDFPqfxLPLSmx  
bandit2@bandit:~$ exit  
logout  
Connection to bandit.labs.overthewire.org closed.  
  
C:\Users\USER>ssh bandit3@bandit.labs.overthewire.org -p 2220
```



The logo consists of a grid of vertical bars of varying heights, forming the words "OverTheWire". The letters are stylized with some gaps and irregularities.

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

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

The password for the next level is stored in a hidden file in the **Inhere** directory.

- [illegible]

The password for the next level is stored in the only human-readable file in the **inhere** directory. Tip: if your terminal is messed up, try the “reset” command.

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The password for the next level is stored in a file somewhere under the **inhere** directory and has all of the following properties:

- ```
Command Prompt X + v
./-file05: data
./-file07: ASCII text
./-file03: data
./-file06: data
./-file04: data
bandit4@bandit:~/inhere$ cat ./-file07
4oQYVPkxZ00E005pTW81FB8j8lxXGUQw
bandit4@bandit:~/inhere$ exit
logout
Connection to bandit.labs.overthewire.org closed.

C:\Users\USER>ssh bandit5@bandit.labs.overthewire.org -p 2220

 -- _--_ _--_ _--_ _--_ _--_
 | _ \ / _ \ / _ \ / _ \
 |_/__/_/___/_/___/_/___/_/___|
 |_/__/_/___/_/___/_/___/_/___|

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

bandit5@bandit.labs.overthewire.org's password:

 OoTtWwIre
 www. ver he " ire.org

Welcome to OverTheWire!
```



```
Command Prompt

* gef (https://github.com/hugsy/gef) in /opt/gef/
* pwndbg (https://github.com/pwndbg/pwndbg) in /opt/pwndbg/
* gdbinit (https://github.com/gdbinit/Gdbinit) in /opt/gdbinit/
* pwntools (https://github.com/Gallopsled/pwntools)
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--[More information]--

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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
HWasnPhtq9AVKe0dmk45nxy20cvUa6EG

|

bandit5@bandit:~/inhere$ exit
logout
Connection to bandit.labs.overthewire.org closed.

C:\Users\USER>
```



**THANK YOU**