# **Cyber Task 0**

I installed Ubuntu over virtual machine using VMWare.

**Cyber Task 1**

I learned a little of the commands used in the linux terminal

**Cyber Task 2**

# Bandit Level 0

## Level Goal

The goal of this level is for you to log into the game using SSH. The host to which you need to connect is **bandit.labs.overthewire.org**, on port 2220. The username is **bandit0** and the password is **bandit0**. Once logged in, go to the [Level 1](https://overthewire.org/wargames/bandit/bandit1.html) page to find out how to beat Level 1.

## Commands you may need to solve this level

[ssh](https://man7.org/linux/man-pages/man1/ssh.1.html)

Approach

* I logged in using ssh with password bandit0 given above

ssh [bandit0@bandit.labs.overthewire.org](mailto:bandit0@bandit.labs.overthewire.org) -p 2220

* Then I went to the level 0 –> level 1

# Bandit Level 0 → Level 1

## Level Goal

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 you may need to solve this level

[ls](https://man7.org/linux/man-pages/man1/ls.1.html) , [cd](https://man7.org/linux/man-pages/man1/cd.1p.html) , [cat](https://man7.org/linux/man-pages/man1/cat.1.html) , [file](https://man7.org/linux/man-pages/man1/file.1.html) , [du](https://man7.org/linux/man-pages/man1/du.1.html) , [find](https://man7.org/linux/man-pages/man1/find.1.html)

Approach

* I logged in using the credentials from badit level 0

ssh [bandit0@bandit.labs.overthewire.org](mailto:bandit0@bandit.labs.overthewire.org) -p 2220

* I found out the readme file using ls command

ls

* I read the contents by using cat command

cat readme

**Password for next level** --- NH2SXQwcBdpmTEzi3bvBHMM9H66vVXjL

# Bandit Level 1 → Level 2

## Level Goal

The password for the next level is stored in a file called **-** located in the home directory

## Commands you may need to solve this level

[ls](https://man7.org/linux/man-pages/man1/ls.1.html) , [cd](https://man7.org/linux/man-pages/man1/cd.1p.html) , [cat](https://man7.org/linux/man-pages/man1/cat.1.html) , [file](https://man7.org/linux/man-pages/man1/file.1.html) , [du](https://man7.org/linux/man-pages/man1/du.1.html) , [find](https://man7.org/linux/man-pages/man1/find.1.html)

Approach

* I logged into bandit1 using the above password and ssh

ssh [bandit1@bandit.labs.overthewire.org](mailto:bandit1@bandit.labs.overthewire.org) -p 2220

* I listed the files using ls but only “-” showed up
* Tried to read using cat command

cat -

* The loop was iterating so I used ctrl+C and stopped the function
* Then I read the file with:

cat ./-

**Password for next level** --- rRGizSaX8Mk1RTb1CNQoXTcYZWU6lgzi

# Bandit Level 2 → Level 3

## Level Goal

The password for the next level is stored in a file called **spaces in this filename** located in the home directory

## Commands you may need to solve this level

[ls](https://man7.org/linux/man-pages/man1/ls.1.html) , [cd](https://man7.org/linux/man-pages/man1/cd.1p.html) , [cat](https://man7.org/linux/man-pages/man1/cat.1.html) , [file](https://man7.org/linux/man-pages/man1/file.1.html) , [du](https://man7.org/linux/man-pages/man1/du.1.html) , [find](https://man7.org/linux/man-pages/man1/find.1.html)

Approach

* I logged into bandit 2 using password and ssh

ssh [bandit2@bandit.labs.overthewire.org](mailto:bandit1@bandit.labs.overthewire.org) -p 2220

* Used ls to find a file with spaces in its name and tried to read it

cat spaces in this filename

* It returned error bc the terminal executed it as four different files
* So I had to use \

cat spaces\ in\ this\ filename

**Password for next level** --- aBZ0W5EmUfAf7kHTQeOwd8bauFJ2lAiG

# Bandit Level 3 → Level 4

## Level Goal

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

## Commands you may need to solve this level

[ls](https://man7.org/linux/man-pages/man1/ls.1.html) , [cd](https://man7.org/linux/man-pages/man1/cd.1p.html) , [cat](https://man7.org/linux/man-pages/man1/cat.1.html) , [file](https://man7.org/linux/man-pages/man1/file.1.html) , [du](https://man7.org/linux/man-pages/man1/du.1.html) , [find](https://man7.org/linux/man-pages/man1/find.1.html)

Approach

* I logged in using password from previous level and ssh

ssh [bandit3@bandit.labs.overthewire.org](mailto:bandit1@bandit.labs.overthewire.org) -p 2220

* Used ls to view files and directories
* Opened directory inhere

cd inhere/

* Used ls to find files but couldn’t find any
* So to find hidden files used

ls -lf

* Used cat to read .hidden

cat .hidden

**Password for next level** --- 2EW7BBsr6aMMoJ2HjW067dm8EgX26xNe

* Bandit Level 4 → Level 5

## Level Goal

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.

## Commands you may need to solve this level

[ls](https://man7.org/linux/man-pages/man1/ls.1.html) , [cd](https://man7.org/linux/man-pages/man1/cd.1p.html) , [cat](https://man7.org/linux/man-pages/man1/cat.1.html) , [file](https://man7.org/linux/man-pages/man1/file.1.html) , [du](https://man7.org/linux/man-pages/man1/du.1.html) , [find](https://man7.org/linux/man-pages/man1/find.1.html)

Approach

* I log in using password from previous level and ssh

ssh [bandit4@bandit.labs.overthewire.org](mailto:bandit1@bandit.labs.overthewire.org) -p 2220

* Used cd to get into folder inhere

cd inhere/

* Used ls
* To find the only human readable used a code I found from the internet

for x in {0..9}; do file ./-file0$x; done

* Only –file07 showed ASCII text so read the file to get password

cat ./-file07

**Password for next level** --- lrIWWI6bB37kxfiCQZqUdOIYfr6eEeqR

# Bandit Level 5 → Level 6

## Level Goal

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

* human-readable
* 1033 bytes in size
* not executable

## Commands you may need to solve this level

[ls](https://man7.org/linux/man-pages/man1/ls.1.html) , [cd](https://man7.org/linux/man-pages/man1/cd.1p.html) , [cat](https://man7.org/linux/man-pages/man1/cat.1.html) , [file](https://man7.org/linux/man-pages/man1/file.1.html) , [du](https://man7.org/linux/man-pages/man1/du.1.html) , [find](https://man7.org/linux/man-pages/man1/find.1.html)

Approach

* Logged in using credentials from previous level and ssh

ssh [bandit5@bandit.labs.overthewire.org](mailto:bandit1@bandit.labs.overthewire.org) -p 2220

* Opened the folder inhere

cd inhere/

* Listed the directories and files using ls
* Found a command from the internet understood the working and implemented it

find -type f -size 1033c ! -executable

* Used cat to read the file

cat maybehere07/.file2

**Password for next level** --- P4L4vucdmLnm8I7Vl7jG1ApGSfjYKqJU

# Bandit Level 6 → Level 7

## Level Goal

The password for the next level is stored **somewhere on the server** and has all of the following properties:

* owned by user bandit7
* owned by group bandit6
* 33 bytes in size

## Commands you may need to solve this level

[ls](https://man7.org/linux/man-pages/man1/ls.1.html) , [cd](https://man7.org/linux/man-pages/man1/cd.1p.html) , [cat](https://man7.org/linux/man-pages/man1/cat.1.html) , [file](https://man7.org/linux/man-pages/man1/file.1.html) , [du](https://man7.org/linux/man-pages/man1/du.1.html) , [find](https://man7.org/linux/man-pages/man1/find.1.html) , [grep](https://man7.org/linux/man-pages/man1/grep.1.html)

Approach

* Logged in using password from previous level

ssh [bandit6@bandit.labs.overthewire.org](mailto:bandit1@bandit.labs.overthewire.org) -p 2220

* Used command to find the exact location of the file

find / -user bandit7 –group bandit6 –size 33c

* It returned a lot of errors so to stop errors from showing up, I used:

find / -user bandit7 –group bandit6 –size 33c 2>/dev/null

* It returned the exact position of the password file
* Used cat to read it

cat /var/lib/dpkg/info/bandit7.password

**Password for next level** --- z7WtoNQU2XfjmMtWA8u5rN4vzqu4v99S

# Bandit Level 7 → Level 8

## Level Goal

The password for the next level is stored in the file **data.txt** next to the word **millionth**

## Commands you may need to solve this level

[man](https://man7.org/linux/man-pages/man1/man.1.html), grep, sort, uniq, strings, base64, tr, tar, gzip, bzip2, xxd

Approach

* Logged in using credentials from previous level

ssh [bandit7@bandit.labs.overthewire.org](mailto:bandit1@bandit.labs.overthewire.org) -p 2220

* Used cat with grep to get the password

cat data.txt | grep millionth

**Password** --- TESKZC0XvTetK0S9xNwm25STk5iWrBvP

# Bandit Level 8 → Level 9

## Level Goal

The password for the next level is stored in the file **data.txt** and is the only line of text that occurs only once

## Commands you may need to solve this level

grep, sort, uniq, strings, base64, tr, tar, gzip, bzip2, xxd

Approach

* Logged in using password from previous level

ssh [bandit8@bandit.labs.overthewire.org](mailto:bandit1@bandit.labs.overthewire.org) -p 2220

* Used sort command along with uniq

sort data.txt | uniq –u

Password --- EN632PlfYiZbn3PhVK3XOGSlNInNE00t

# Bandit Level 9 → Level 10

## Level Goal

The password for the next level is stored in the file **data.txt** in one of the few human-readable strings, preceded by several ‘=’ characters.

## Commands you may need to solve this level

grep, sort, uniq, strings, base64, tr, tar, gzip, bzip2, xxd

Approach

* Logged in using password from previous level and ssh

ssh [bandit5@bandit.labs.overthewire.org](mailto:bandit1@bandit.labs.overthewire.org) -p 2220

* Found and used a command from internet

sort data.txt |strings|grep ^=

* Strings return only printable characters and “grep ^=” returns the lines starting with =

**Password** --- G7w8LIi6J3kTb8A7j9LgrywtEUlyyp6s

# Bandit Level 10 → Level 11

## Level Goal

The password for the next level is stored in the file **data.txt**, which contains base64 encoded data

## Commands you may need to solve this level

grep, sort, uniq, strings, base64, tr, tar, gzip, bzip2, xxd

Approach

* Logged in with password from previous level

ssh [bandit10@bandit.labs.overthewire.org](mailto:bandit1@bandit.labs.overthewire.org) -p 2220

* Used cat but found a rather big text

cat data.txt

* Then used base64 to decode the text

cat data.txt | base64 –d

**Password** --- 6zPeziLdR2RKNdNYFNb6nVCKzphlXHBM

**Cyber Task 3**

Natas0

* Found the password for the next level on the page source

**Password** --- g9D9cREhslqBKtcA2uocGHPfMZVzeFK6

Natas1

* Logged in with username from previous level
* Found the password by using shortcut Ctrl+U

**Password** --- h4ubbcXrWqsTo7GGnnUMLppXbOogfBZ7

Natas2

* Logged in with password from previous level
* Couldn’t find anything on the source code
* Added /files/ to the url to get to the files tab and found a users.txt file which had password for natas3

**Password** --- G6ctbMJ5Nb4cbFwhpMPSvxGHhQ7I6W8Q

Natas3

* Logged in using password from previous level
* Didn’t find anything in the sourcode
* Got 404 error for the /files url
* Used /robots.txt and found a directory /s3cr3ts
* Found the password from a user.txt in the directory

**Password** --- tKOcJIbzM4lTs8hbCmzn5Zr4434fGZQm

Natas4

* Logged in using password from the previous level