

Assignment 1- Part 1 - Report

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Part 1: Bandit

Level 0:

For this level I had to execute an ssh command with the given credentials in the instructions. Maintaining the ssh connection open I checked the current directory for the specified file and used cat to show its contents.

```
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: ZjLjTmM6FvvyRnrb2rfNW0ZOTa6ip5If
```

Level 1:

Here I listed all the files in the directory and specified the route to be able to print the desired file.

```
bandit1@bandit:~$ ls -la
total 24
-rw-r---- 1 bandit2 bandit1 33 Oct 14 09:26 -
drwxr-xr-x 2 root      root    4096 Oct 14 09:26 .
drwxr-xr-x 150 root     root    4096 Oct 14 09:29 ..
-rw-r--r-- 1 root      root    220 Mar 31 2024 .bash_logout
-rw-r--r-- 1 root      root    3851 Oct 14 09:19 .bashrc
-rw-r--r-- 1 root      root    807 Mar 31 2024 .profile
bandit1@bandit:~$ cat ./
263JGJPfgU6LtdEvgfWU1XP5yac29mFx
bandit1@bandit:~$
```

Level 2:

In order to access the file which includes spaces I scaped them using backslashes.

```
bandit2@bandit:~$ ls  
--spaces in this filename--  
bandit2@bandit:~$ cat ./--spaces\ in\ this\ filename--  
MNk8KNH3Usio41PRUEoDFPqfxLPlSmx  
bandit2@bandit:~$
```

Level 3:

For this file I listed all files in the directory including hidden ones and once I knew the correct path I printed the contents of the file.

```
bandit3@bandit:~$ cd inhere/  
bandit3@bandit:~/inhere$ ls  
bandit3@bandit:~/inhere$ ls -la  
total 12  
drwxr-xr-x 2 root      root      4096 Oct 14 09:26 .  
drwxr-xr-x 3 root      root      4096 Oct 14 09:26 ..  
-rw-r---- 1 bandit4 bandit3    33 Oct 14 09:26 ...Hiding-From-You  
bandit3@bandit:~/inhere$ cat ..Hiding-From-You  
cat: ..Hiding-From-You: No such file or directory  
bandit3@bandit:~/inhere$ cat ...Hiding-From-You  
2WmrDFRmJIq3IPxneAaMGap0pFhF3NJ  
bandit3@bandit:~/inhere$
```

Level 4:

Here I used the file command to show the type of each file and then selected the only one which contained ASCII text.

```
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$ file /*  
.~/file00: data  
.~/file01: data  
.~/file02: data  
.~/file03: data  
.~/file04: data  
.~/file05: data  
.~/file06: data  
.~/file07: ASCII text  
.~/file08: data  
.~/file09: data  
bandit4@bandit:~/inhere$ cat ./file07  
4oQYVPkxZ00E005pTW81FB8j8lxXGUQw
```

Level 5:

Here I tried using the find command with the size parameter, specifying the size that was given in the instructions which only showed one result.

```
bandit5@bandit:~$ cd inhere/
bandit5@bandit:~/inhere$ ls
maybehere00 maybehere04 maybehere08 maybehere12 maybehere16
maybehere01 maybehere05 maybehere09 maybehere13 maybehere17
maybehere02 maybehere06 maybehere10 maybehere14 maybehere18
maybehere03 maybehere07 maybehere11 maybehere15 maybehere19
bandit5@bandit:~/inhere$ find -size 1033c
./maybehere07/.file2
bandit5@bandit:~/inhere$ cat ./maybehere07/.file2
HWasnPhtq9AVKe0dmk45nxy20cvUa6EG
```

Level 6:

For this exercise I tried a find command on the whole server with the information given in the instructions and found only one file that I could access, here I found the last password.

```
bandit6@bandit:~$ find / -user bandit7 -group bandit6 -size 33c
find: '/proc/tty/driver': Permission denied
find: '/proc/1/task/1/fd': Permission denied
find: '/proc/1/task/1/fdinfo': Permission denied
find: '/proc/1/task/1/ns': Permission denied
find: '/proc/1/fd': Permission denied
find: '/proc/1/map_files': Permission denied
find: '/proc/1/fdinfo': Permission denied
find: '/proc/1/ns': Permission denied
find: '/proc/2/task/2/fd': Permission denied
find: '/proc/2/task/2/fdinfo': Permission denied
find: '/proc/2/task/2/ns': Permission denied
find: '/proc/2/fd': Permission denied
find: '/proc/2/map_files': Permission denied
find: '/proc/2/fdinfo': Permission denied
find: '/proc/2/ns': Permission denied
find: '/proc/17/task/17/fd/6': No such file or directory
find: '/proc/17/task/17/fdinfo/6': No such file or directory
find: '/proc/17/fd/5': No such file or directory
find: '/proc/17/fdinfo/5': No such file or directory
find: '/lost+found': Permission denied
find: '/var/tmp': Permission denied
find: '/var/spool/bandit24': Permission denied
find: '/var/spool/cron/crontabs': Permission denied
find: '/var/spool/rsyslog': Permission denied
find: '/var/lib/update-notifier/package-data-downloads/partial': Permission denied
find: '/var/lib/apt/lists/partial': Permission denied
find: '/var/lib/polkit-1': Permission denied
find: '/var/lib/chrony': Permission denied
find: '/var/lib/udisks2': Permission denied
find: '/var/lib/snapd/cookie': Permission denied
find: '/var/lib/snapd/void': Permission denied
find: '/var/lib/private': Permission denied
find: '/var/lib/ubuntu-adantage/apt-esm/var/lib/apt/lists/partial': Permission denied
/var/lib/dpkg/info/bandit7.password
find: '/var/lib/dpkg/info/bandit7.password': Permission denied
```