

A dark blue vertical bar runs along the left edge of the page. A blue arrow points from this bar towards the right, containing the date.

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# BANDIT WARGAME

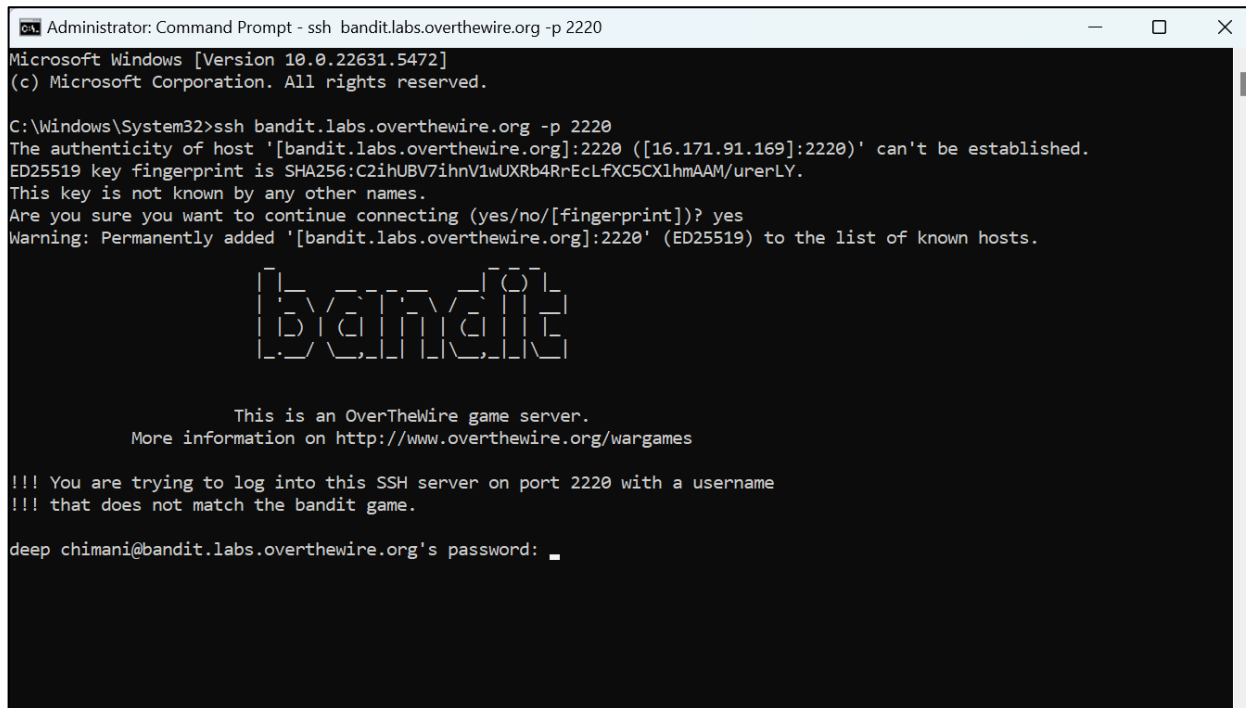
*Levels 0-11*

Abstract line art consisting of several thin, curved lines in dark blue and light grey, originating from the bottom left corner and extending upwards and to the right.

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**Level-0:** In this level of bandit game, we need to access the level-01 password by using command prompt (CMD) of local machine to access the remote console of bandit on port **2220** with default username and password.



```
Administrator: Command Prompt - ssh bandit.labs.overthewire.org -p 2220
Microsoft Windows [Version 10.0.22631.5472]
(c) Microsoft Corporation. All rights reserved.

C:\Windows\System32>ssh bandit.labs.overthewire.org -p 2220
The authenticity of host '[bandit.labs.overthewire.org]:2220 ([16.171.91.169]:2220)' can't be established.
ED25519 key fingerprint is SHA256:C2ihUBV7ihnV1wUXRb4RrEcLFXC5CX1hmAAM/urerLY.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '[bandit.labs.overthewire.org]:2220' (ED25519) to the list of known hosts.


  _ _ _ _ _
 | b | a | n | d | i | t |
 | _ | _ | _ | _ | _ |

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

!!! You are trying to log into this SSH server on port 2220 with a username
!!! that does not match the bandit game.

deep chimani@bandit.labs.overthewire.org's password: _
```

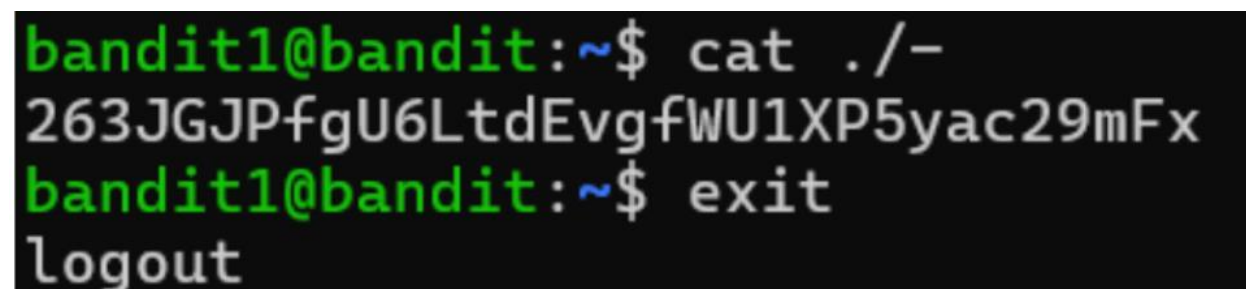
**Level-0 – Level-01:** At this level, initially we will check the existence of **readme** file by using **ls** command and then use **cat** or **vim** or **vi** command with **readme** file to get the next level password, which is snapped below in screen shot.



```
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
```

**Level-01 – Level-02:** At this level, we will use **cat** or **vim** or **vi** command with **-** file to get the next level password, which is snapped below in screen shot.



```
bandit1@bandit:~$ cat ./-
263JGJPfgU6LtdEvgfWU1XP5yac29mFx
bandit1@bandit:~$ exit
logout
```

**Level-02 – Level-03:** At this level, initially we will check the existence of **spaces in this filename** file by using **ls** command and then use **cat** or **vim** or **vi** command with **spaces in this filename** file to get the next level password, which is snapped below in screen shot.

```
bandit2@bandit:~$ ls
spaces in this filename
bandit2@bandit:~$ vim spaces\ in\ this\ filename
bandit2@bandit:~$ cat spaces\ in\ this\ filename
MNk8KNH3Usiio41PRUEoDFPqfxLP1Smx
bandit2@bandit:~$ exit
logout
```

**Level-03 – Level-04:** At this level, initially we will check the existence of hidden file called **inhere** by using **ls** command and then use **cat** or **vim** or **vi** command with **inhere** file to get the next level password, which is snapped below in screen shot.

```
bandit3@bandit:~/inhere$ ls
bandit3@bandit:~/inhere$ vim ...Hiding-From-You
bandit3@bandit:~/inhere$ cat ...Hiding-From-You
2WmrDFRmJIq3IPxneAaMGhap0pFhF3NJ
```

**Level-04 – Level-05:** At this level, initially we will check the existence of **human-readable** file in the **inhere** folder by using **cd** command and to verify its identity we will use **ls** command with **-la** options to get the unique result of human-readable file. Now, we use **cat** or **vim** or **vi** command with **inhere** file to get the next level password, which is snapped below in screen shot.

```
bandit4@bandit:~$ cd inhere
bandit4@bandit:~/inhere$ ls -l
total 40
-rw-r----- 1 bandit5 bandit4 33 Apr 10 14:23 -file00
-rw-r----- 1 bandit5 bandit4 33 Apr 10 14:23 -file01
-rw-r----- 1 bandit5 bandit4 33 Apr 10 14:23 -file02
-rw-r----- 1 bandit5 bandit4 33 Apr 10 14:23 -file03
-rw-r----- 1 bandit5 bandit4 33 Apr 10 14:23 -file04
-rw-r----- 1 bandit5 bandit4 33 Apr 10 14:23 -file05
-rw-r----- 1 bandit5 bandit4 33 Apr 10 14:23 -file06
-rw-r----- 1 bandit5 bandit4 33 Apr 10 14:23 -file07
-rw-r----- 1 bandit5 bandit4 33 Apr 10 14:23 -file08
-rw-r----- 1 bandit5 bandit4 33 Apr 10 14:23 -file09
bandit4@bandit:~/inhere$ file ./-file07
./-file00: PGP Secret Sub-key -
./-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-05 – Level-06:** At this level, initially we will locate the file in **inhere** directory with size **33c** by using **find** command and then use **cat** or **vim** or **vi** command with **/var/lib/dpkg/info/bandit7.password** file to get the next level password, which is snapped below in screen shot.

```
bandit6@bandit:~$ find / -user bandit7 -group bandit6 -size 33c 2>/dev/null
/var/lib/dpkg/info/bandit7.password
bandit6@bandit:~$ cat /var/lib/dpkg/info/bandit7.password
morbNTDkSW6jILUc0ymOdMaLn0lFVAaj
```

**Level-06 – Level-07:** At this level, initially we will search the file from system with specific user, group, and file size as per required criteria and then use **find** command with specific user, group, and file size to locate the file in directory. Now, we use **cat** or **vim** or **vi** command with **/var/lib/dpkg/info/bandit7.password** file to get the next level password, which is snapped below in screen shot.

```
bandit6@bandit:~$ ls -ah
.  ..  .bash_logout  .bashrc  .profile
bandit6@bandit:~$ cd ..
bandit6@bandit:/home$ find / -user bandit7 -group bandit6 -size 33c 2>/dev/null
/var/lib/dpkg/info/bandit7.password
bandit6@bandit:/home$ cat /var/lib/dpkg/info/bandit7.password
morbNTDkSW6jILUc0ymOdMaLn0lFVAaj
bandit6@bandit:/home$ exit
logout
```

**Level-07 – Level-08:** At this level, initially we will list down the files to check **data.txt** file by using **ls** command and then use **grep** command with specific keyword 'millionth' along with **data.txt** file to get the required password.

```
bandit7@bandit:~$ cd ~
bandit7@bandit:~$ ls -l
total 4088
-rw-r----- 1 bandit8 bandit7 4184396 Apr 10 14:23 data.txt
bandit7@bandit:~$ grep millionth data.txt
millionth      dfwvzFQi4mU0wfNbFOe9RoWskMLg7eEc
```

**Level-08 – Level-09:** At this level, initially we will filter the file to get unique line in the **data.txt** file by using **sort** command along with '|' and **uniq -u** options to get the required next level password.

```
bandit8@bandit:~$ cd ~
bandit8@bandit:~$ sort data.txt | uniq -u
4CKMh1JI91bUIZZPXDqGana14xvAg0JM
bandit8@bandit:~$ exit
logout
```

**Level-09 – Level-10:** At this level, initially we will find the password from line starting with '=' character by using **string** command with **grep** along with '===' to get the encoded password, which is snapped below in

```
bandit9@bandit:~$ cd ~
bandit9@bandit:~$ strings data.txt | grep '==='
===== the
===== password{k
===== is
===== FGUW5ilLVJrxX9kMYMmlN4MgbpfMiqey
bandit9@bandit:~$ exit
logout
```

**Level-10 – Level-11:** At this level, initially we will **decode** the password with **base64** techniques or command which was in encoded form in the previous step.

```
bandit10@bandit:~$ cd ~/
bandit10@bandit:~$ cat data.txt | base64 -d
The password is dtR173fZKb0RRsDFSGsq2RWnpNVj3qRr
```

**Conclusion:** In the last step we get the required decoded password.