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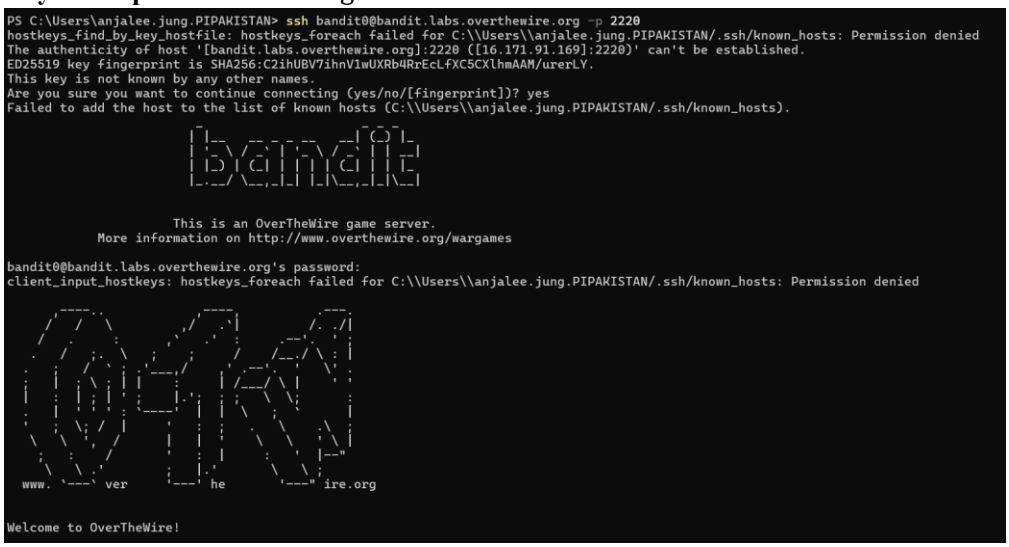
Bandit Wargame Levels 0 to 10

Level 0

Goal: Log into the game using SSH on port 2220 with provided credentials.

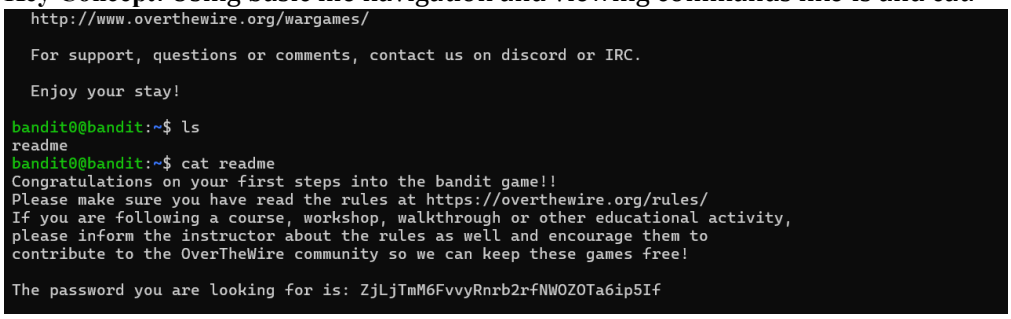
Key Concept: Basic SSH usage to connect to a remote server.



Level 0 → Level 1

Goal: Find the password in a file named 'readme' in the home directory.

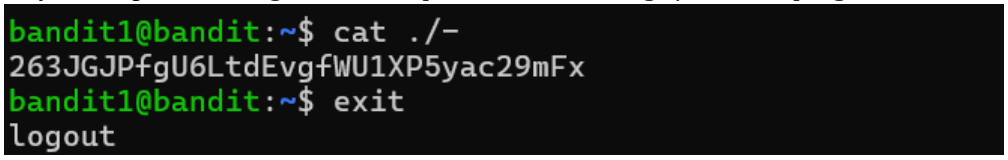
Key Concept: Using basic file navigation and viewing commands like ls and cat.



Level 1 → Level 2

Goal: Retrieve the password from a file named '-' in the home directory.

Key Concept: Handling files with special names using './' or escaping.



Level 2 → Level 3

Goal: Find the password stored in a file with spaces in its name.

Key Concept: Quoting or escaping spaces when accessing filenames.

```
bandit2@bandit:~$ ls
spaces in this filename
bandit2@bandit:~$ vim spaces\ in\ this\ filename
bandit2@bandit:~$ cat spaces\ in\ this\ filename
MNk8KNH3Usiio41PRUEoDFPqfxLPlSmx
bandit2@bandit:~$ exit
logout
```

Level 3 → Level 4

Goal: Locate a hidden file inside the 'inhere' directory.

Key Concept: Using 'ls -a' to list hidden files.

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

Level 4 → Level 5

Goal: Find the only human-readable file in the 'inhere' directory.

Key Concept: Use the 'file' command to determine file types.

```
bandit4@bandit:~$ ls -ah
.  ..  .bash_logout  .bashrc  inhere  .profile
bandit4@bandit:~$ cd inhere/
bandit4@bandit:~/inhere$ ls
-file00  -file01  -file02  -file03  -file04  -file05  -file06  -file07  -file08  -file09
bandit4@bandit:~/inhere$ file ./*
./-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
4oQYVPkxZOOEOO5pTW81FB8j8lxXGUQw
bandit4@bandit:~/inhere$ exit
logout
```

Level 5 → Level 6

Goal: Search for a readable, non-executable 1033-byte file under 'inhere'.

Key Concept: Using 'find' with size and permission flags.

```
bandit5@bandit:~$ ls
inhere
bandit5@bandit:~$ cd inhere/
bandit5@bandit:~/inhere$ ls
maybehere00  maybehere02  maybehere04  maybehere06  maybehere08  maybehere10  maybehere12  maybehere14  maybehere16  maybehere18
maybehere01  maybehere03  maybehere05  maybehere07  maybehere09  maybehere11  maybehere13  maybehere15  maybehere17  maybehere19
bandit5@bandit:~/inhere$ ls -ah
.   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 -exec file {} \; | grep "ASCII text"
./maybehere07/.file2: ASCII text, with very long lines (1000)
bandit5@bandit:~/inhere$ cat ./maybehere07/.
./      ../     .file1  .file2  .file3
bandit5@bandit:~/inhere$ cat ./maybehere07/.file2
HWasnPhtq9AVKe0dmk45nxy20cvUa6EG
```

Level 6 → Level 7

Goal: Find a file on the system with specific ownership and size.

Key Concept: Using 'find' with user, group, and size filters.

```
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
morbNTDkSW6jIlUc0ymOdMaLnOlFVAaj
bandit6@bandit:/home$ exit
logout
```

Level 7 → Level 8

Goal: Extract the password from the line containing the word 'millionth'.

Key Concept: Using 'grep' to search for a keyword in a file.

```
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
bandit7@bandit:~$ exit
logout
```

Level 8 → Level 9

Goal: Find the unique line in the file data.txt.

Key Concept: Using 'sort' and 'uniq -u' to filter out duplicates.

```
bandit8@bandit:~$ cd ~
bandit8@bandit:~$ sort data.txt | uniq -u
4CKMh1JI91bUIZZPXDqGanal4xvAg0JM
bandit8@bandit:~$ exit
logout
```

Level 9 → Level 10

Goal: Find the password string preceded by '=' characters.

Key Concept: Using 'strings' and 'grep' to locate readable patterns.

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

Level 10 → Level 11

Goal: Decode the base64 content in data.txt to get the password.

Key Concept: Using the 'base64' command to decode encoded text.

```
bandit10@bandit:~$ cd ~/
bandit10@bandit:~$ cat data.txt | base64 -d
The password is dtR173fZKb0RRsDFSGsg2RWnpNVj3qRr
```