Bandit Level 17 —> Level 18

SSH Parameters	
Server:	bandit.labs.overthewire.org
Port:	2220

Website URLs	
Level 17—>18	OverTheWire: Level Goal: Bandit Level 17 → Level 18
Level 18—>19	OverTheWire: Level Goal: Bandit Level 18 → Level 19

Passwords		
Level	User Name	Password
Level 17—>18	bandit17	VwOSWtCA7lRKkTfbr2IDh6awj9RNZM5e Note: There are two ways to authenticate to bandit17. The first is via private key. Details of this process, and the private key, may be referenced at Bandit 16 —---> 17.
Level 18—>19	bandit18	hga5tuuCLF6fFzUpnagiMN8ssu9LFrdg

Wargames   Information **updated**

OverTheWire
We're hackers, and we are good-looking. We are the 1%.

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SSH Information
Host: bandit.labs.overthewire.org
Port: 2220

Bandit

Level 0
Level 0 → Level 1
Level 1 → Level 2
Level 2 → Level 3
Level 3 → Level 4
Level 4 → Level 5
Level 5 → Level 6
Level 6 → Level 7

Bandit Level 17 → Level 18

Level Goal

There are 2 files in the homedirectory: **passwords.old** and **passwords.new**. The password for the next level is in **passwords.new** and is the only line that has been changed between **passwords.old** and **passwords.new**

NOTE: if you have solved this level and see 'Byebye!' when trying to log into bandit18, this is related to the next level, bandit19

Commands you may need to solve this level

cat, grep, ls, diff

```
bandit17@bandit:~$ ################################################################################################################################
bandit17@bandit:~$ #Over the Wire - Bandit Level 17 -----> Level 18 - Solution Set
bandit17@bandit:~$ ################################################################################################################################
bandit17@bandit:~$
bandit17@bandit:~$ #Execution of id and whoami commands to confirm presence in Bandit Level 17 and bandit17 user ID
bandit17@bandit:~$ id && whoami
uid=11017(bandit17) gid=11017(bandit17) groups=11017(bandit17)
bandit17
bandit17@bandit:~$
bandit17@bandit:~$ ################################################################################################################################
bandit17@bandit:~$ #Execute pwd command, to determine current working directory, and ls -la command to view directory contents including metadata info [via -l option/switch] and hidden files [which are preceed
ed by a period [.] and are output as part of the command [via -a option/switch]]
bandit17@bandit:~$ pwd && ls -la
/home/bandit17
total 36
drwxr-xr-x  3 root      root      4096 Apr 23 18:04 .
drwxr-xr-x 70 root      root      4096 Apr 23 18:05 ..
-rw-r-----  1 bandit17 bandit17    33 Apr 23 18:04 .bandit16.password
-rw-r--r--  1 root      root       220 Jan  6 2022 .bash_logout
-rw-r--r--  1 root      root      3771 Jan  6 2022 .bashrc
-rw-r-----  1 bandit18 bandit17  3300 Apr 23 18:04 passwords.new
-rw-r-----  1 bandit18 bandit17  3300 Apr 23 18:04 passwords.old
-rw-r--r--  1 root      root       807 Jan  6 2022 .profile
drwxr-xr-x  2 root      root      4096 Apr 23 18:04 .ssh
bandit17@bandit:~$
bandit17@bandit:~$
bandit17@bandit:~$ ################################################################################################################################
bandit17@bandit:~$ #Per the directions there are two files in the home directory, passwords.new and passwords.old.  The files are identical with the exception of one line, in the password.new file, that is the
 password to Bandit level 18.  To extract the password we utilize the diff command.  The diff command outputs lines that differ between the files.
bandit17@bandit:~$ ################################################################################################################################
bandit17@bandit:~$
bandit17@bandit:~$ diff passwords.new passwords.old
42c42
< hga5tuuCLF6fFzUpnagiMN8ssu9LFrdg
---
> glZreTEH1V3cGKL6g4conYqZqaEj0mte
bandit17@bandit:~$ #Based on the above the string " hga5tuuCLF6fFzUpnagiMN8ssu9LFrdg" is in password.new but not in password.old.  To verify this we will grep for this string in both files and would expect
 to not find it in the passwords.old file.  Additionally, we will grep for the string "glZreTEH1V3cGKL6g4conYqZqaEj0mte" and expect to find it in passwords.old but not passwords.new
bandit17@bandit:~$
bandit17@bandit:~$ #grep for "hga5tuuCLF6fFzUpnagiMN8ssu9LFrdg" in passwords.new and passwords.old
bandit17@bandit:~$ grep  hga5tuuCLF6fFzUpnagiMN8ssu9LFrdg passwords.new
hga5tuuCLF6fFzUpnagiMN8ssu9LFrdg
bandit17@bandit:~$ grep  hga5tuuCLF6fFzUpnagiMN8ssu9LFrdg passwords.old
bandit17@bandit:~$
```

```
bandit17@bandit:~$ grep glZreTEH1V3cGKL6g4conYqZqaEj0mte passwords.old
glZreTEH1V3cGKL6g4conYqZqaEj0mte
bandit17@bandit:~$ grep glZreTEH1V3cGKL6g4conYqZqaEj0mte passwords.new
bandit17@bandit:~$
```

```
bandit17@bandit:~$ ################################################################################################################################
bandit17@bandit:~$ #Based on the aforementioned, hga5tuuCLF6fFzUpnagiMN8ssu9LFrdg, is in passwords.new but not passwords.old.  As such, the bandit18 password is, hga5tuuCLF6fFzUpnagiMN8ssu9LFrdg
bandit17@bandit:~$ ################################################################################################################################
bandit17@bandit:~$
bandit17@bandit:~$
```

****

Level 18 —> Level 19 Password
****

hga5tuuCLF6fFzUpnagiMN8ssu9LFrdg