Bandit Level 0

SSH Information

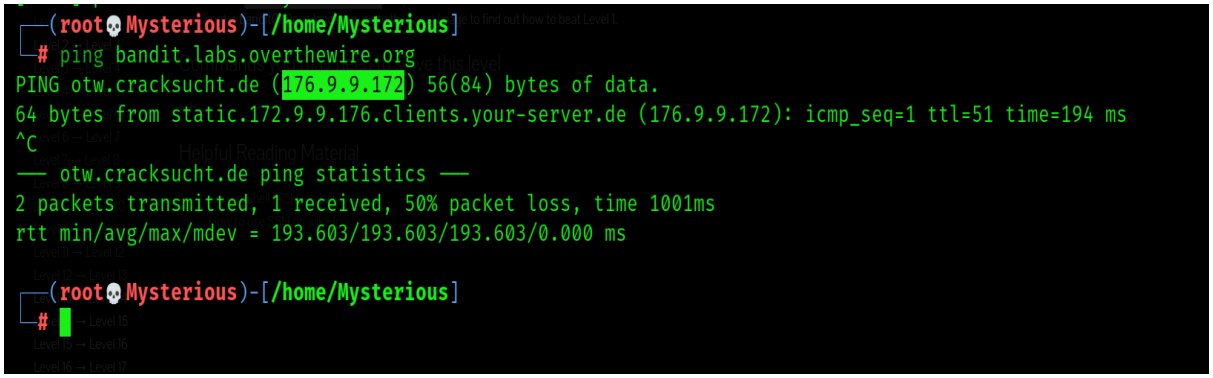
Host URL: bandit.labs.overthewire.org

Host IP: 176.9.9.172

Port: 2220

Username: bandit0

Password: bandit0



ping bandit.labs.overthewire.org

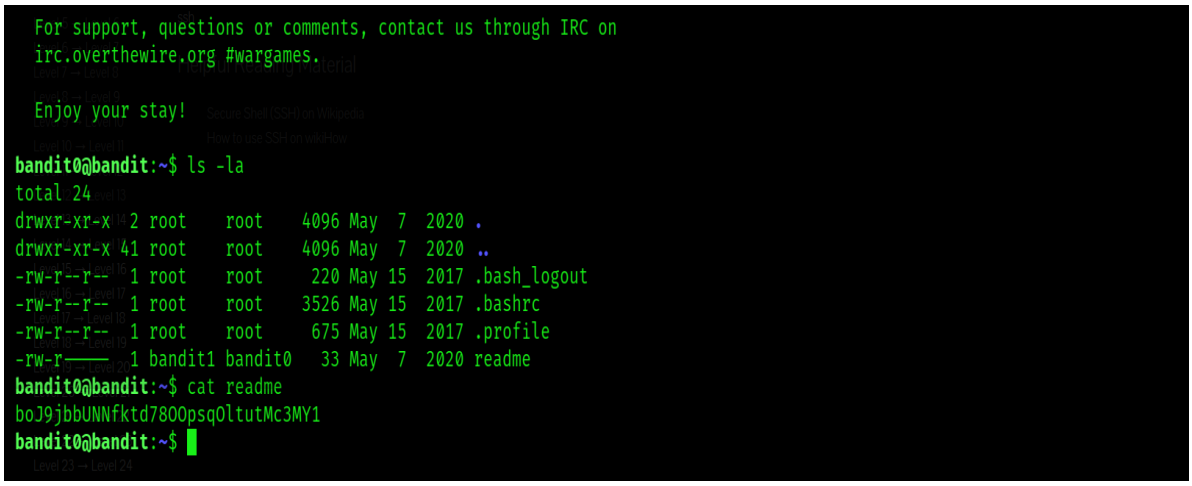
[Note: This step is optional. I have used it to check whether the site is responding back or not and also find the ipv4 address of the host website.]

Using the given details, connect to the server via ssh

ssh bandit0@176.9.9.172 -p2220

or

ssh bandit0@ bandit.labs.overthewire.org -p2220



Use ls -la to list all the files and directories. We'll get a readme file which contains the password of the next level.

Using cat command we can print the content in the terminal.

Bandit Level 1

SSH Information

Host URL: bandit.labs.overthewire.org

Host IP: 176.9.9.172

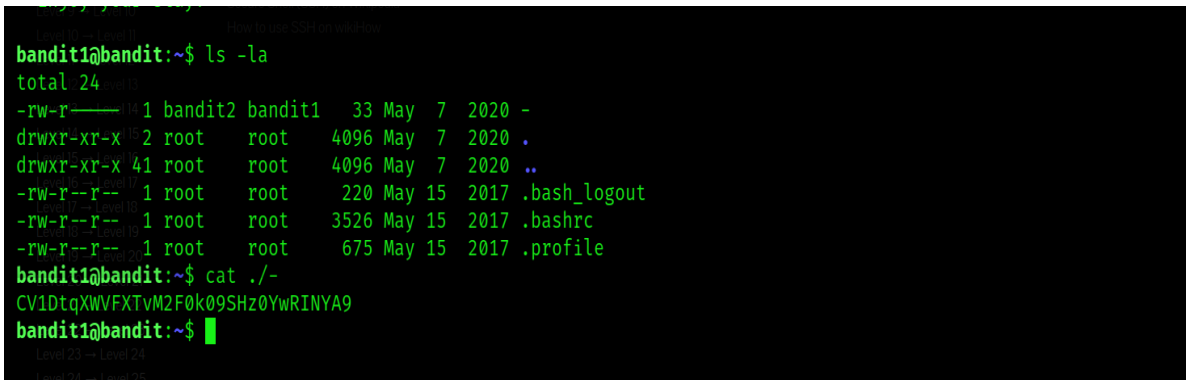
Port: 2220

Username: bandit1

Password:
boJ9jbbUNNfktd78OOpsqOltutMc3MY1

Using the given details, connect to the server via ssh

ssh bandit1@176.9.9.172 -p2220



After listing all the content of the file, we found a file '-'. Using cat ./- command, we get the password of next level.

[Note: As the file name is '-', so we can't use cat -. We have to use the full path cat /home/bandit1/- or cat ./-]

Bandit Level 2

SSH Information

Host URL: bandit.labs.overthewire.org

Host IP: 176.9.9.172

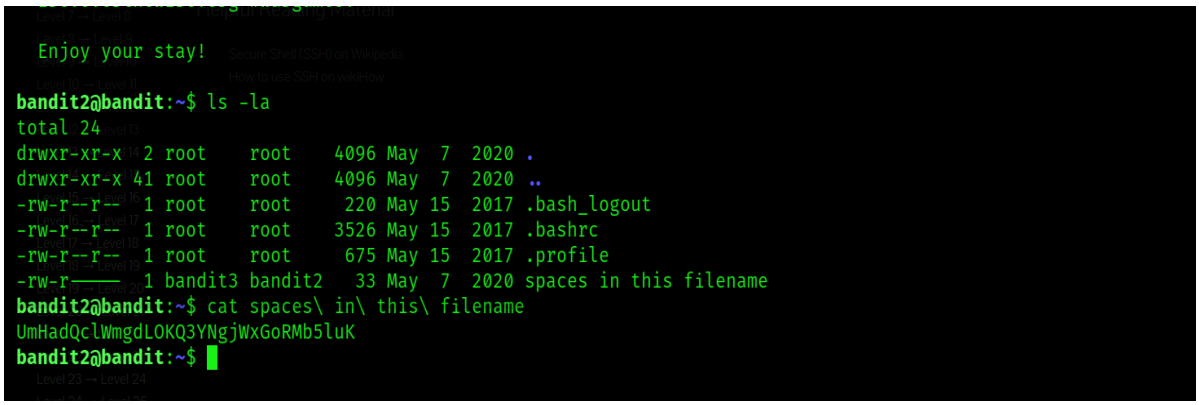
Port: 2220

Username: bandit2

Password:
CV1DtqXWVFXTvM2F0k09SHz0YwRINYA9

Using the given details, connect to the server via ssh

ssh bandit2@176.9.9.172 -p2220



After listing all the content of the file, we found a file ‘space in this filename ‘.

Using cat spaces\ in\ this\ filename command, we get the password of next level.

Bandit Level 3

SSH Information

Host URL: bandit.labs.overthewire.org

Host IP: 176.9.9.172

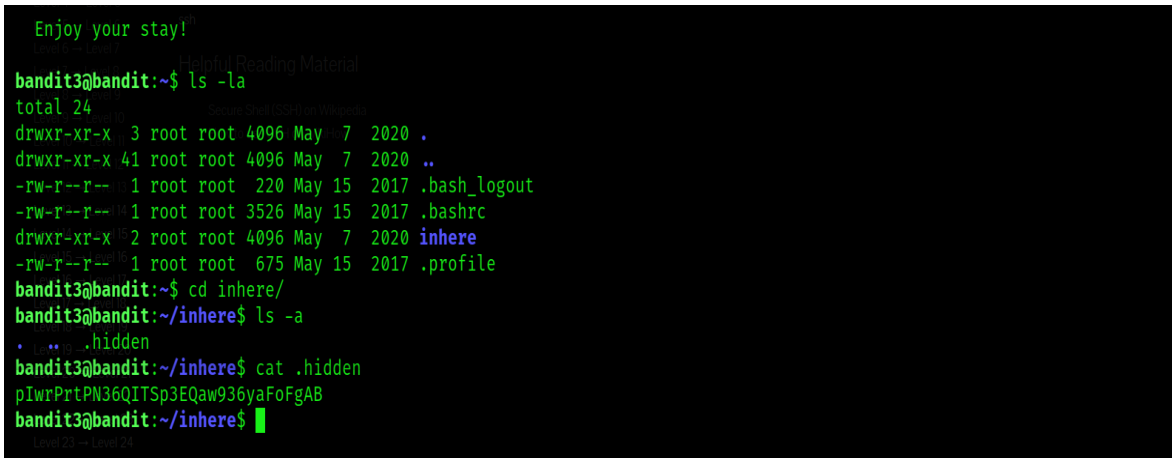
Port: 2220

Username: bandit3

Password:
UmHadQclWmgdLOKQ3YNgjWxGoRMb5luK

Using the given details, connect to the server via ssh

ssh bandit3@176.9.9.172 -p2220



We found a sub-dir “inhere” in the current dir. Using cd inhere we entered the inhere dir. After that we got a hidden file called “.hidden” inside the inhere dir which contains the password of the next level.

Bandit Level 4

SSH Information

Host URL: bandit.labs.overthewire.org

Host IP: 176.9.9.172

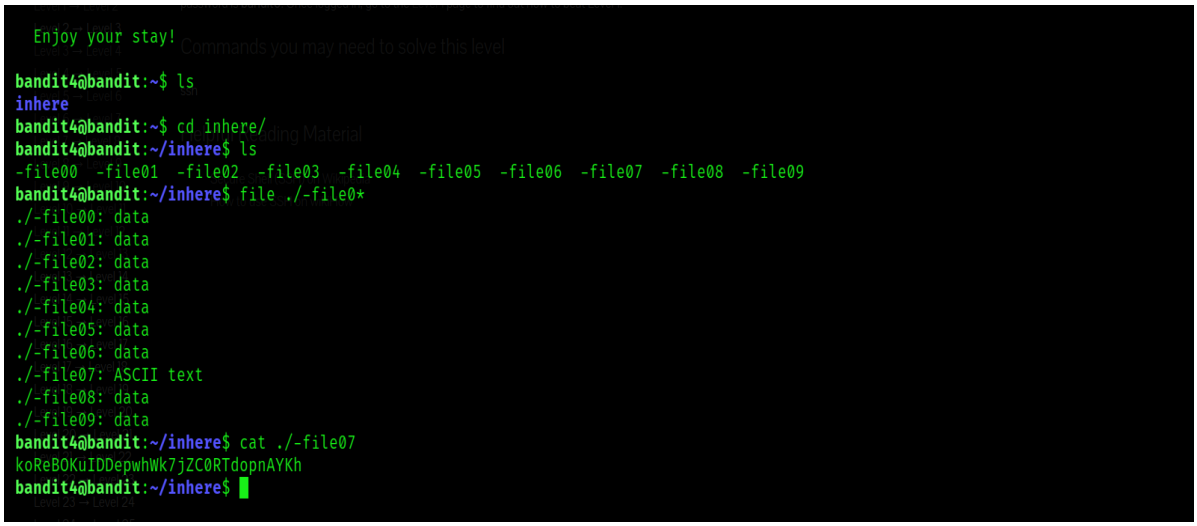
Port: 2220

Username: bandit4

Password:
pIwrPrtPN36QITSp3EQaw936yaFoFgAB

Using the given details, connect to the server via ssh

ssh bandit4@176.9.9.172 -p2220



We got 10 files inside the inhere dir. We can find the exact human readable file using the command file ./-file0*

Bandit Level 5

SSH Information

Host URL: bandit.labs.overthewire.org

Host IP: 176.9.9.172

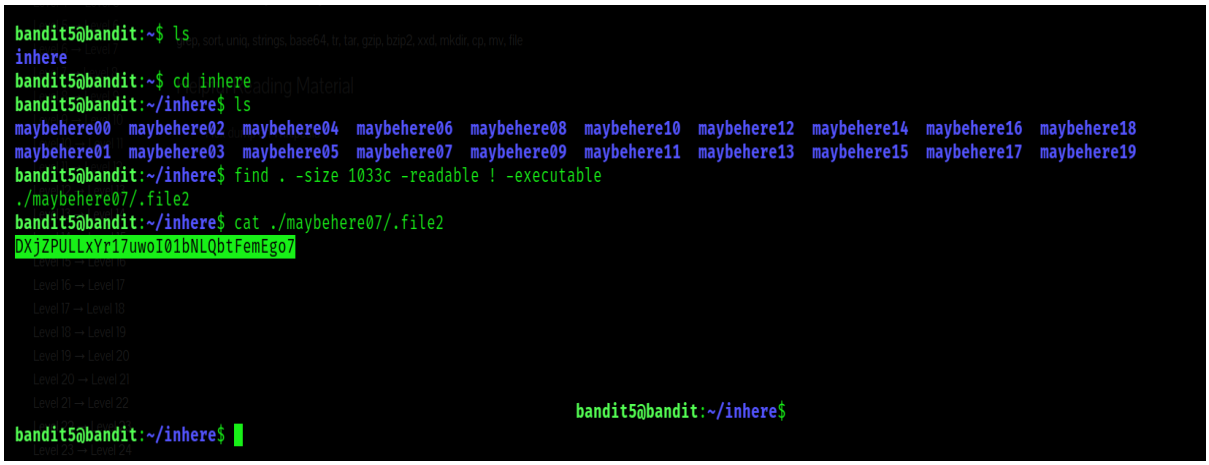
Port: 2220

Username: bandit5

Password:
koReBOKuIDDepwhWk7jZC0RTdopnAYKh

Using the given details, connect to the server via ssh

ssh bandit5@176.9.9.172 -p2220



We got 20 dir inside the inhere dir. We can find the exact file having 1033 bytes size using the command find . -size 1033c -readable ! -executable

Bandit Level 6

SSH Information

Host URL: bandit.labs.overthewire.org

Host IP: 176.9.9.172

Port: 2220

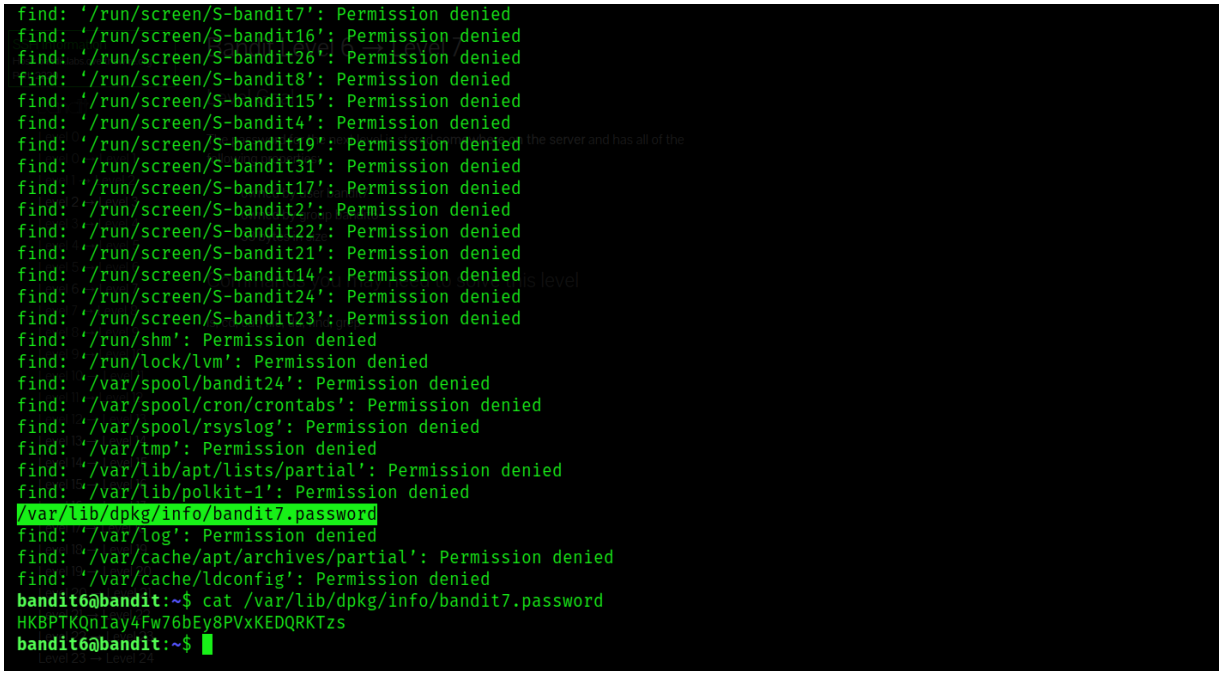
Username: bandit6

Password:
DXjZPULLxYr17uwoI01bNLQbtFemEgo7

Using the given details, connect to the server via ssh

ssh bandit6@176.9.9.172 -p2220

```
bandit6@bandit:~$ ls
bandit6@bandit:~$ find / -size 33c -user bandit7 -group bandit6 -readable ! -executable ! -writable
find: '/root': Permission denied
find: '/home/bandit28-git': Permission denied
find: '/home/bandit30-git': Permission denied
find: '/home/bandit5/inhere': Permission denied
find: '/home/bandit27-git': Permission denied
find: '/home/bandit29-git': Permission denied
find: '/home/bandit31-git': Permission denied
find: '/lost+found': Permission denied
find: '/etc/ssl/private': Permission denied
find: '/etc/polkit-1/localauthority': Permission denied
find: '/etc/lvm/archive': Permission denied
find: '/etc/lvm/backup': Permission denied
find: '/sys/fs/pstore': Permission denied
find: '/proc/tty/driver': Permission denied
find: '/proc/27592/task/27592/fd/6': No such file or directory
find: '/proc/27592/task/27592/fdinfo/6': No such file or directory
find: '/proc/27592/fd/5': No such file or directory
find: '/proc/27592/fdinfo/5': No such file or directory
find: '/cgroup2/csessions': Permission denied
```



Using the command find / -size 33c -user bandit7 -group bandit6 -readable ! -executable ! -writable, we found a bunch of files but among them there is only one file named “/var/lib/dpkg/info/bandit7.password” which we have permissions. Therefore, we got our password file.

Bandit Level 7

SSH Information

Host URL: bandit.labs.overthewire.org

Host IP: 176.9.9.172

Port: 2220

Username: bandit7

Password:
HKBPTKQnIay4Fw76bEy8PVxKEDQRKTzs

Using the given details, connect to the server via ssh

ssh bandit7@176.9.9.172 -p2220

Using the command cat data.txt | grep millionth we can find the password which is located next to the word “millionth” inside the file data.txt

Bandit Level 8

SSH Information

Host URL: bandit.labs.overthewire.org

Host IP: 176.9.9.172

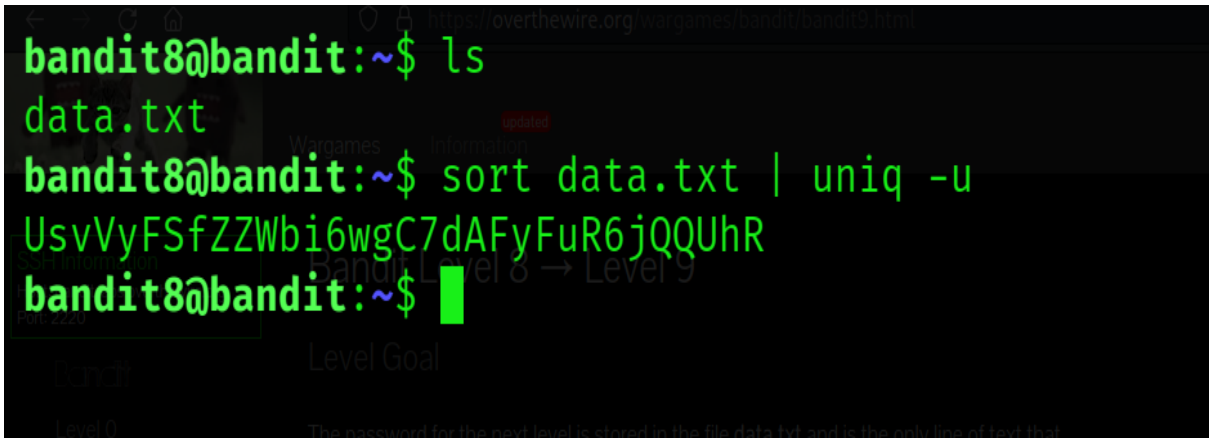
Port: 2220

Username: bandit8

Password:
cvX2JJa4CFALtqS87jk27qwqGhBM9plV

Using the given details, connect to the server via ssh

ssh bandit8@176.9.9.172 -p2220



Using the command sort data.txt | uniq -u, we found the unique line, i.e., password inside the file.

Bandit Level 9

SSH Information

Host URL: bandit.labs.overthewire.org

Host IP: 176.9.9.172

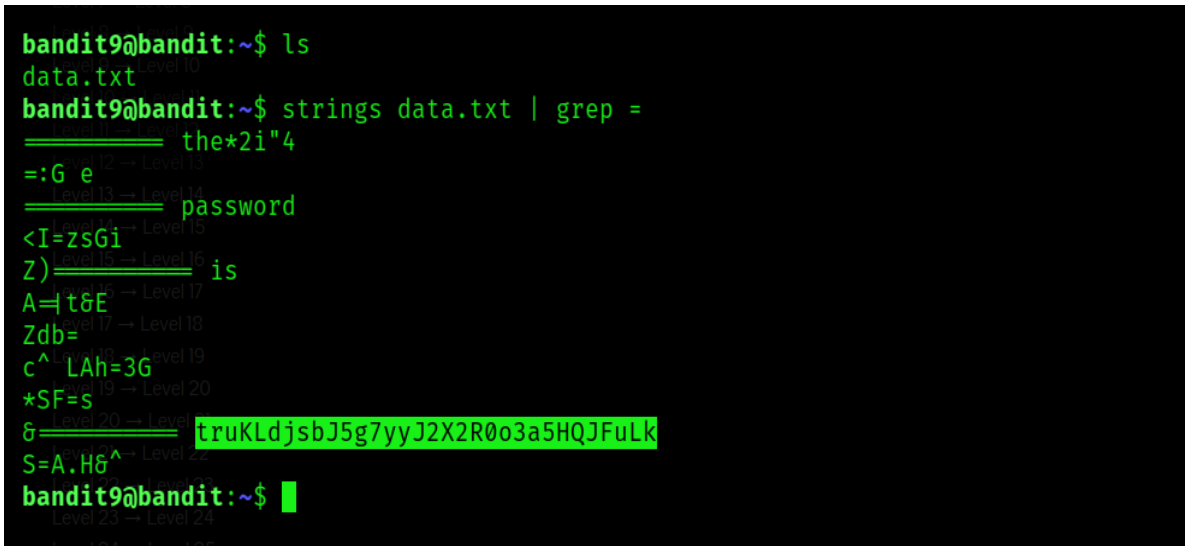
Port: 2220

Username: bandit9

Password:
UsvVyFSfZZWbi6wgC7dAFyFuR6jQQUhR

Using the given details, connect to the server via ssh

ssh bandit9@176.9.9.172 -p2220



Using strings command, we can print only the human readable part. So, we can use strings data.txt | grep = command to search the password.

Bandit Level 10

SSH Information

Host URL: bandit.labs.overthewire.org

Host IP: 176.9.9.172

Port: 2220

Username: bandit10

Password:
truKLdjsbJ5g7yyJ2X2R0o3a5HQJFuLk

Using the given details, connect to the server via ssh

ssh bandit10@176.9.9.172 -p2220

Since the file “data.txt” is a base64 encrypted file, therefore to decode it we can use cat data.txt | base64 –decode.

Bandit Level 11

SSH Information

Host URL: bandit.labs.overthewire.org

Host IP: 176.9.9.172

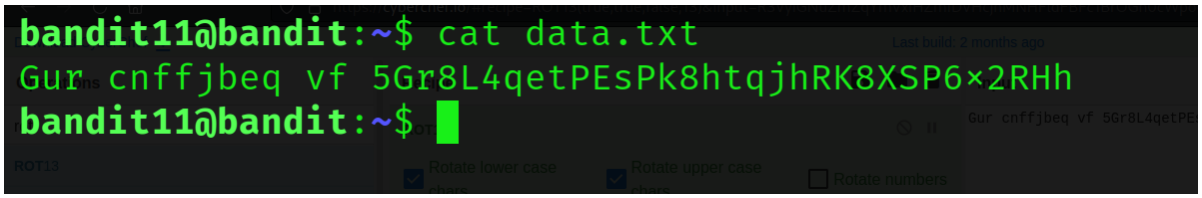
Port: 2220

Username: bandit11

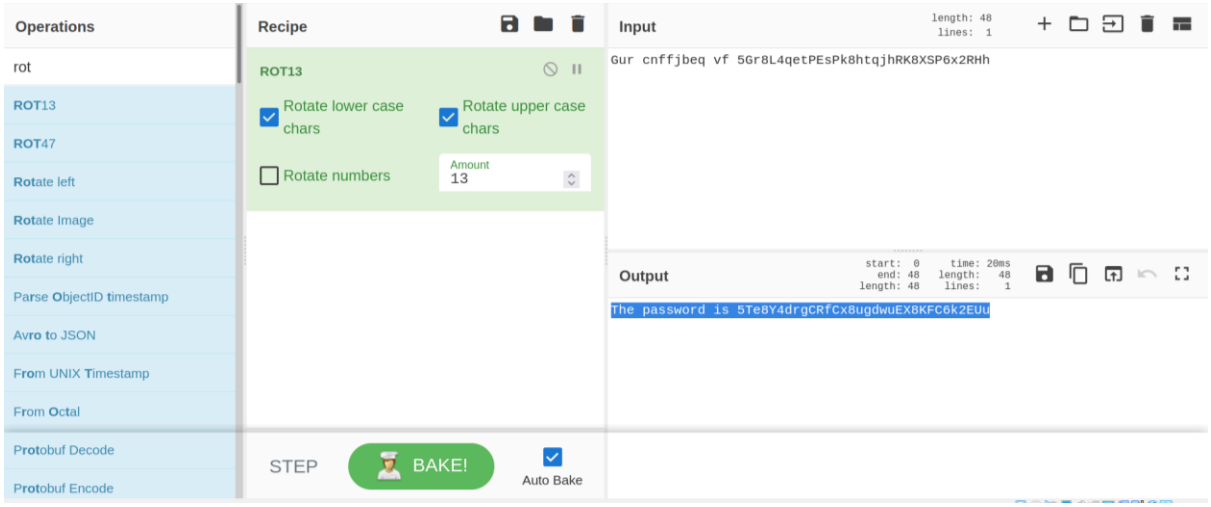
Password:
IFukwKGsFW8MOq3IRFqrxE1hxTNEbUPR

Using the given details, connect to the server via ssh

ssh bandit11@176.9.9.172 -p2220



Here ”data.txt” is encrypted with rot13. So, we can use cyberchef.io to decrypt it.



Bandit Level 12

SSH Information

Host URL: bandit.labs.overthewire.org

Host IP: 176.9.9.172

Port: 2220

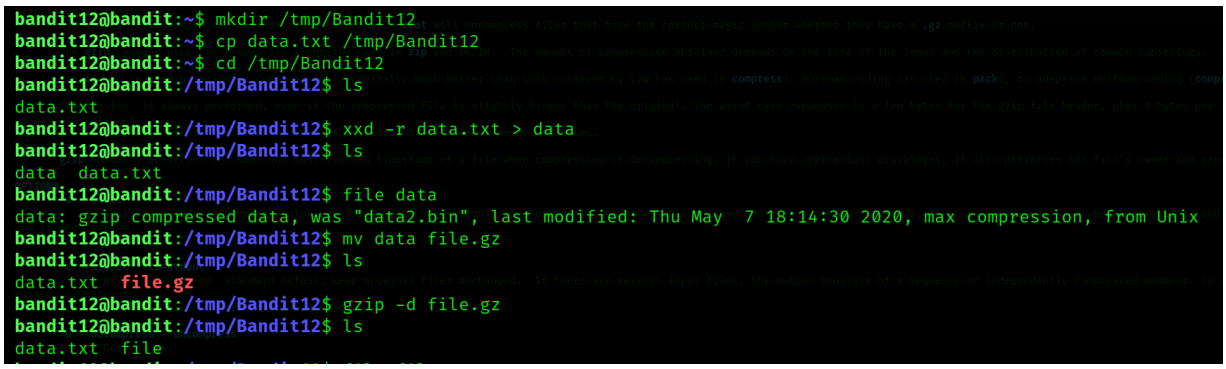
Username: bandit12

Password:
5Te8Y4drgCRfCx8ugdwuEX8KFC6k2EUu

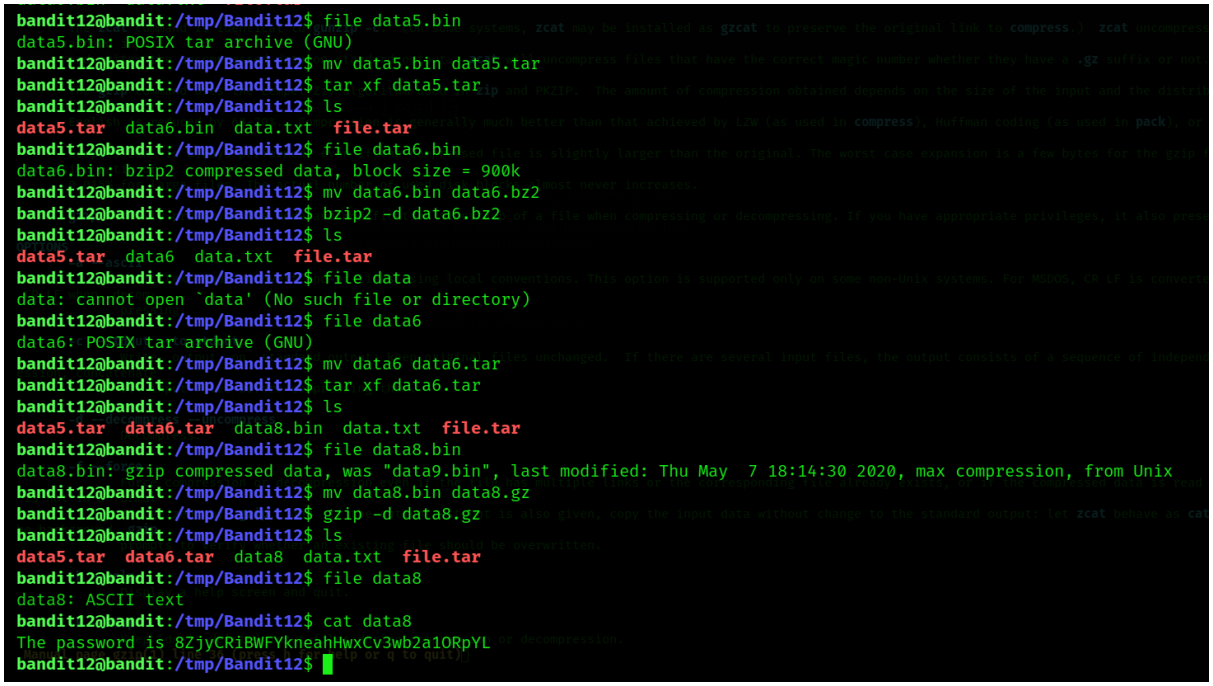
Using the given details, connect to the server via ssh

ssh bandit12@176.9.9.172 -p2220

As we have less permissions in home directory so we can create a new directory inside the /tmp directory for full access. Copy the “data.txt file” into the new dir. Reverse the hexdump file and copy it inside a new file. Now check the file type of the new file.



Change the extension of the file accordingly and use gzip -d file_name.gz, bzip2 -d file_name.bz2, tar xf file_name.tar according to the compressed file type. After decompressing many times, we will get a human readable file called “data8” which contains the password.



Bandit Level 13

SSH Information

Host URL: bandit.labs.overthewire.org

Host IP: 176.9.9.172

Port: 2220

Username: bandit13

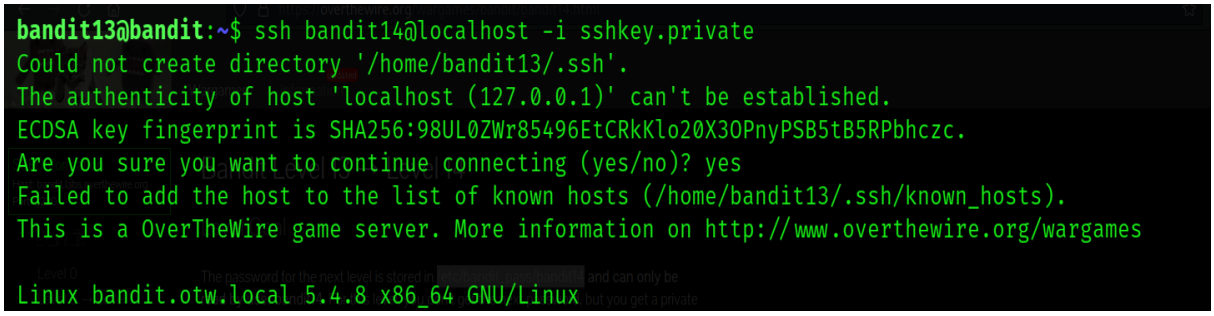
Password:
8ZjyCRiBWFYkneahHwxCv3wb2a1ORpYL

Using the given details, connect to the server via ssh

ssh bandit13@176.9.9.172 -p2220

After login to bandit13 we get a ssh private key for accessing bandit14.

Using the command ssh bandit14@localhost -i sshkey.private, we can login to bandit14 without any password.



Bandit Level 14

SSH Information

Host URL: bandit.labs.overthewire.org

Host IP: 176.9.9.172

Port: 2220

Username: bandit14

```
bandit14@bandit:~$ ls
bandit14@bandit:~$ cat /etc/bandit_pass/bandit14
4wcYUJFw0k0XLShlDzztnTBHiqxU3b3e
bandit14@bandit:~$
```

Since the file name was given is the previous level, so we can directly print the content of the “/etc/bandit_pass/bandit14” file. Now copy the content and submit it to the localhost at port 30000.

```
bandit14@bandit:~$ cat /etc/bandit_pass/bandit14
4wcYUJFw0k0XLShlDzztnTBHiqxU3b3e
bandit14@bandit:~$ echo "4wcYUJFw0k0XLShlDzztnTBHiqxU3b3e" | nc localhost 30000
Correct!
BfMYroe26WYalil77FoDi9qh59eK5xNr

bandit14@bandit:~$
```

After submitting, you will get the original password of the next level.

Bandit Level 15

SSH Information

Host URL: bandit.labs.overthewire.org

Host IP: 176.9.9.172

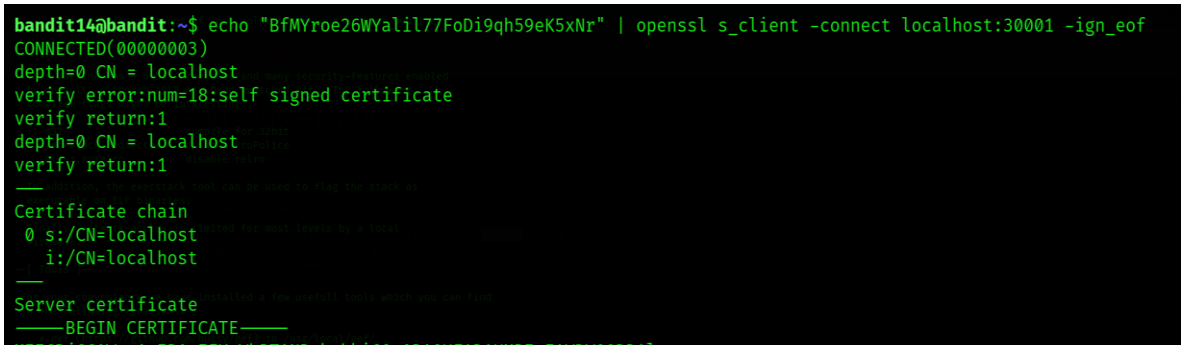
Port: 2220

Username: bandit15

Password: BfMYroe26WYalil77FoDi9qh59eK5xNr

Using the given details, connect to the server via ssh

ssh bandit15@176.9.9.172 -p2220



Using the command echo "BfMYroe26WYalil77FoDi9qh59eK5xNr" | openssl s_client -connect localhost:30001 -ign_eof, we will get our password for next level.