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Asignatura: Sistemas Operativos

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Grado y grupo: 27 BV

Carrera: Ingeniería en software

Level 0

```
ssh bandit0@bandit.labs.overthewire.org -p 2220
//bandit0
```

Level 0 -> 1

```
cat ~/readme
//NH2SXQwcBdpmTEzi3bvBHMM9H66vVXjL
exit
```

Level 1 -> 2

```
ssh bandit1@bandit.labs.overthewire.org -p 2220
//NH2SXQwcBdpmTEzi3bvBHMM9H66vVXjL
ls -alps
cat ./-
//rRGizSaX8Mk1RTb1CNQoXTcYZWU6lgzi
exit
```

Level 2 -> 3

```
ssh bandit2@bandit.labs.overthewire.org -p 2220
//rRGizSaX8Mk1RTb1CNQoXTcYZWU6lgzi
ls -alps
cat spaces\ in\ this\ filename
//aBZ0W5EmUfAf7kHTQeOwd8bauFJ2IAiG
exit
```

Level 3 -> 4

```
ssh bandit3@bandit.labs.overthewire.org -p 2220
//Contraseña LVL2 -> 3 = aBZ0W5EmUfAf7kHTQeOwd8bauFJ2IAiG
ls -alps
cd inhere
//inhere/
ls -al
cat .hidden
//2EW7BBsr6aMMoJ2HjW067dm8EgX26xNe
exit
```

Level 4 -> 5

```
ssh bandit4@bandit.labs.overthewire.org -p 2220
//2EW7BBsr6aMMoJ2HjW067dm8EgX26xNe
ls -alps
cd inhere
ls
find . -type f | xargs file
cat ./-file07
//lrIWWI6bB37kxfiCQZqUdOIYfr6eEeqR
exit
```

Level 5 -> 6

```
ssh bandit5@bandit.labs.overthewire.org -p 2220
//lrIWWl6bB37kxfiCQZqUdOIYfr6eEeqR
ls
cd inhere
find . -type f -size 1033c ! -executable
// ./maybehere07/.file2
cat ./maybehere07/.file2
//P4L4vucdmLnm8I7VI7jG1ApGSfjYKqJU
exit
```

Level 6 -> 7

```
ssh bandit6@bandit.labs.overthewire.org -p 2220
//P4L4vucdmLnm8I7VI7jG1ApGSfjYKqJU
find / -type f -user bandit7 -group bandit6 -size 33c
cat /var/lib/dpkg/info/bandit7.password
//z7WtoNQU2XfjmMtWA8u5rN4vzqu4v99S
exit
```

Level 7 -> 8

```
ssh bandit7@bandit.labs.overthewire.org -p 2220
//z7WtoNQU2XfjmMtWA8u5rN4vzqu4v99S
ls -alps
cat data.txt
whatsis strings
strings data.txt | grep "millionth"
//TESKZC0XvTetK0S9xNwm25STk5iWrBvP
exit
```

Level 8 -> 9

```
ssh bandit8@bandit.labs.overthewire.org -p 2220
//TESKZC0XvTetK0S9xNwm25STk5iWrBvP
ls
cat data.txt
sort data.txt
man uniq
sort data.txt | uniq -c
//EN632PifYiZbn3PhVK3XOGSINlnNE00t
exit
```

Level 9 -> 10

```
ssh bandit9@bandit.labs.overthewire.org -p 2220
//EN632PifYiZbn3PhVK3XOGSINlnNE00t
strings data.txt | grep "="
//G7w8Lli6J3kTb8A7j9LgrywtEUlyyp6s
exit
```

Level 10 -> 11

```
ssh bandit10@bandit.labs.overthewire.org -p 2220
```

```
//G7w8Lli6J3kTb8A7j9LgrywtEUlyyp6s
cat data.txt
base64 -d data.txt
//6zPeziLdR2RKNdNYFNb6nVCKzphIXHBM
exit
```

Level 11 -> 12

```
ssh bandit11@bandit.labs.overthewire.org -p 2220
//6zPeziLdR2RKNdNYFNb6nVCKzphIXHBM
cat data.txt
Respuesta de consola -> https://gchq.github.io/CyberChef/ -> ROT13
//JVNBFFSmZwKKOP0XbFXOoW8chDz5yVRv
exit
```

Level 12 -> 13

```
ssh bandit12@bandit.labs.overthewire.org -p 2220
//JVNBFFSmZwKKOP0XbFXOoW8chDz5yVRv
cat data.txt
man xxd
mkdir /tmp/joshua
cp data.txt /tmp/joshua
cd /tmp/joshua
ls
xxd -r data.txt > data
ls
file data
mv data file.gz
gzip -d file.gz
ls
file file
mv file file.bz2
bzip2 -d file.bz2
ls
file file
mv file file.gz
gzip -d file.gz
ls
file file
mv file file.tar
tar xf file.tar
ls
file data5.bin
rm file.tar
rm data.txt
ls
file file
file data5.bin
mv data5.bin data.tar
```

```
tar xf data.tar
ls
file data6.bin
mv data6.bin data.bz2
bzip2 -d data.bz2
ls
file data
mv data data.tar
ls
tar xf data.tar
ls
file data8.bin
mv data8.bin data.gz
gzip -d data.gz
ls
file data
cat data
//wbWdlBxEir4CaE8LaPhauuOo6pwRmrDw
exit
```

Level 13 -> 14 -> 15

```
ssh bandit13@bandit.labs.overthewire.org -p 2220
//wbWdlBxEir4CaE8LaPhauuOo6pwRmrDw
ls
ssh -i sshkey.private bandit14@localhost (si no funciona añade "-p 2220" al final)
cat /etc/bandit_pass/bandit14
nc localhost 30000
cat /etc/bandi_pass/bandit14
nc localhost 30000
exit
exit
```

Level 15 -> 16

```
ssh bandit15@bandit.labs.overthewire.org -p 2220
cat /etc/bandit_pass/bandit15
ncat --ssl localhost 30001
(pones la posible contraseña)
exit
```

Level 16 -> 17

```
ssh bandit16@bandit.labs.overthewire.org -p 2220
//JQtffApK4SeyHwDII9SXGR50qclOAil1
cat /etc/bandit_pass/bandit16
nmap localhost -p 31000-32000
nc localhost 31790
ncat --ssl localhost 31790
mkdir /tmp/random_sshkey
cd /tmp/random_sshkey
```

```
touch private.key
vim private.key
chmod 400 private.key
ssh -i private.key bandit16@bandit.labs.overthewire.org -p 2220
```

Level 17 -> 18

```
man diff
diff passwords.old passwords.new
exit
```

Level 18 -> 19

```
ssh bandit18@bandit.labs.overthewire.org -p 2220
man ssh
man ssh | grep terminal
ssh -t bandit18@bandit.labs.overthewire.org -p 2220
/bin/sh
//kfBf3eYk5BPBRzwjcutbbfE887SVc5Yd
cat readme
exit
```

Level 19 -> 20

```
ssh bandit19@bandit.labs.overthewire.org -p 2220
//lueksS7Ubh8G3DCwVzrTd8rAVOwq3M5x
./bandit20-do
./bandit20-do id
./bandit20-do ls
./bandit20-do cat /etc/bandit_pass/bandit20
exit
```

Level 20 -> 21

```
ssh bandit20@bandit.labs.overthewire.org -p 2220
//GbKksEFF4yrVs6il55v6gwY5aVje5f0j
echo "GbKksEFF4yrVs6il55v6gwY5aVje5f0j" | netcat -
jobs
./suconnect 1234
exit
```

Level 21 -> 22

```
ssh bandit21@bandit.labs.overthewire.org -p 2220
//gE269g2h3mw3pwgrj0Ha9Uoqen1c9DGr
vim /etc/cron.d/
ls /etc/cron.d/
cat /etc/cron.d/cronjob_bandit22.sh
cat /tmp/t706lds950RqQh9aMcz65hpAoZKF7fgv
exit
```

Level 22 -> 23

```
ssh bandit22@bandit.labs.overthewire.org -p 2220
```

```
//Yk7owGAcWjwMVRwrTesJEwB7WVOiILLI
cat /etc/cron.d/cronjob_bandit23
cat /usr/bin/cronjob_bandit23.sh
whoami
$myname
myname=banit23
md5sum
man md5sum
echo I am user $myname | md5sum | cut -d ' ' -f 1
cat /tmp/8ca319486bfbbc3663ea0fbe81326349
exit
```

```
Level 23 -> 24
ssh bandit23@bandit.labs.overthewire.org -p 2220
//jc1udXuA1tiHqjlsL8yaapX5XIAI6i0n
ls /etc/cron.d/
cat /etc/cron.d/cronjob_bandit24
cat /usr/bin/cronjob_bandit24.sh
mkdir /tmp/rand
cd /tmp/rand
mkdir rand
cd rand
vim test.sh
chmod 777 test.sh
vim test.sh
chmod 777 pass
cp test.sh /var/spool/bandit24/
cat pass
cat test.sh
cat pass
exit
```

```
Level 24 -> 25
ssh bandit24@bandit.labs.overthewire.org -p 2220
//UoMYTrfrBFHyQXmg6gzctqAwOmw1lohZ
netcat localhost 30002
$ for i in {1..10}
exit
```

```
Level 25 -> 26
ssh bandit25@bandit.labs.overthewire.org -p 2220
//uNG9O58gUE7snukf3bvZ0rxhtnjzSGzG
ls
ssh -i bandit26.sshkey bandit26@localhost
cat /etc/passwd
cat /usr/bin/showtext
more .bashrc
ssh bandit26@localhost -i bandit26.sshkey
```

```
:set shell=/bin/bash
:shell
whoami
cat /etc/bandit_pass/bandit26
```

```
Level 26 -> 27
//5czgV9L3Xx8JPOyRbXh6lQbmIOWvPT6Z
./bandit27-do
./bandit27-do cat /etc/bandit:pass/bandit27
exit
*vuelve a bandit25*
exit
```

```
Level 27 -> 28
~$ cd /tmp/
/tmp$ mkdir git_level27
/tmp$ cd git_level27
/tmp/git_level27$
git clone ssh://bandit27-git@localhost/home/bandit27-git/repo
$ls -l
$cd repo
$ls -la
$cat README
```

```
Level 28 -> 29
ssh bandit28@bandit.labs.overthewire.org -p 2220
//0ef186ac70e04ea33b4c1853d2526fa2
pass=0ef186ac70e04ea33b4c1853d2526fa2
mkdir /tmp/git_level28
cd /tmp/git_level28
git clone ssh://bandit28-git@localhost/home/banit28-git/repo
ls -la
cd repo
ls -la
cat README.md
git log
git branch
git chackout 186a1038cc54d1358d42d468cdc8e3cc28a93fcb
cat README.md
exit
```

```
Level 29 -> 30
ssh bandit29@bandit.labs.overthewire.org -p 2220
//bbc96594b4e001778eee9975372716b2
cd /tmp/
```



```
/tmp$ mkdir git_level29
/tmp$ cd git_level29
/tmp/git_level29$
git clone ssh://bandit29-git@localhost/home/banit29-git repo
ls -la
cd repo/
ls -la
cat README.md
git branch -a
git checkout remotes/origin/dev
ls -la
cat README.md
exit
```

```
Level 30 -> 31
ssh bandit30@bandit.labs.overthewire.org -p 2220
//5b90576bedb2cc04c86a9e924ce42faf
cd /tmp/
/tmp$ mkdir git_level30
/tmp$ cd git_level30
/tmp/git_level30$
git clone ssh://bandit30-git@localhost/home/banit30-git repo
ls -la
cd repo/
ls -la
cat README.md
git branch -a
git tag
git show secret
exit
```

```
Level 31 -> 32
ssh bandit31@bandit.labs.overthewire.org -p 2220
//47e603bb428404d265f59c42920d81e5
cd /tmp/
/tmp$ mkdir git_level31
/tmp$ cd git_level31
/tmp/git_level29$
git clone ssh://bandit31-git@localhost/home/banit31-git repo
ls -la
cd repo/
ls -la
cat README.md
echo "May I come in?" > key.txt
ls -la
rm .gitignore
ls -la
git add.
```

```
git commit -m "Added ke.txt"
git push origin master
exit
```

Level 32 -> 33

```
ssh bandit32@bandit.labs.overthewire.org -p 2220
//56a9bf19c63d650ce78e6ec0354ee45e
>>ls
>>pwd
>>cd
>>$shell
>>$EUID
>>$0
export SHELL=/bin/bash
echo $SHELL
/bin/bash
$SHELL
cat /etc/bandit_pass/bandit33
```