Universidad Tecnológica de Panamá

Facultad de Ingeniería de Sistemas Computacionales

Departamento de Sistemas de Información, Evaluación y Control de Recursos Informáticos

Licenciatura en Ingeniería de Sistemas de Información

Seguridad Informática

Tarea #3: Overthewire challenge

Profesor: José Moreno

Estudiantes:

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Diaz, Gabriel (20-53-5198)

Gamero, Jonathan (8-982-2008)

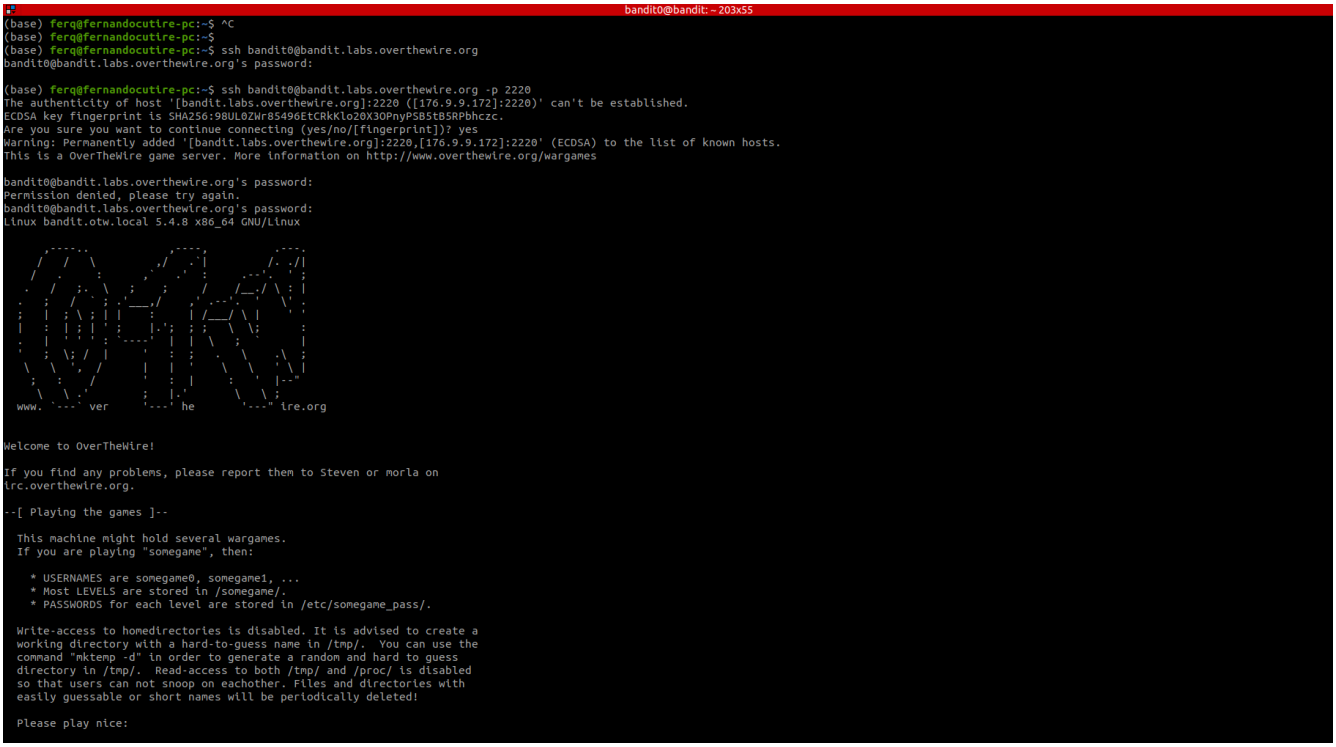
Grupo: 1IF141

I Semestre

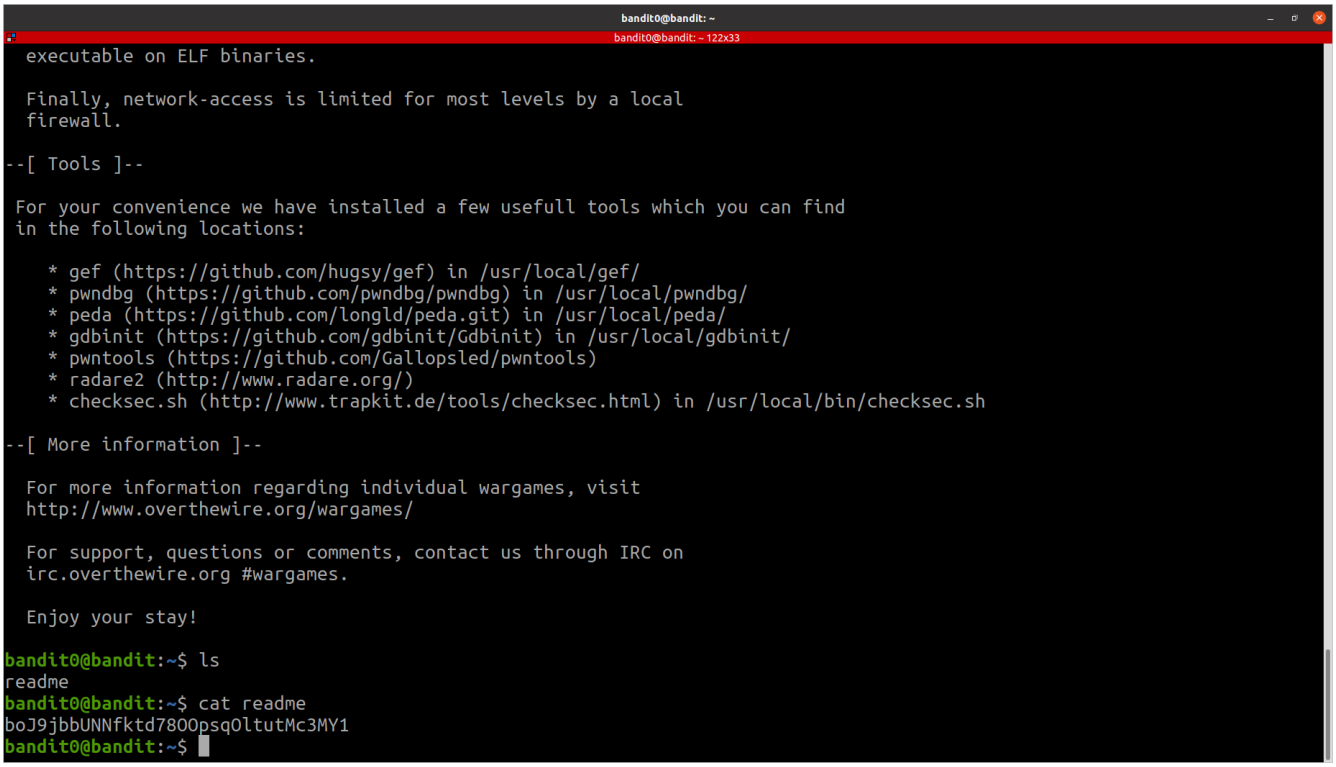
2022

Over the wire

Nivel 0



Nivel 0 to 1



Contraseña obtenida:

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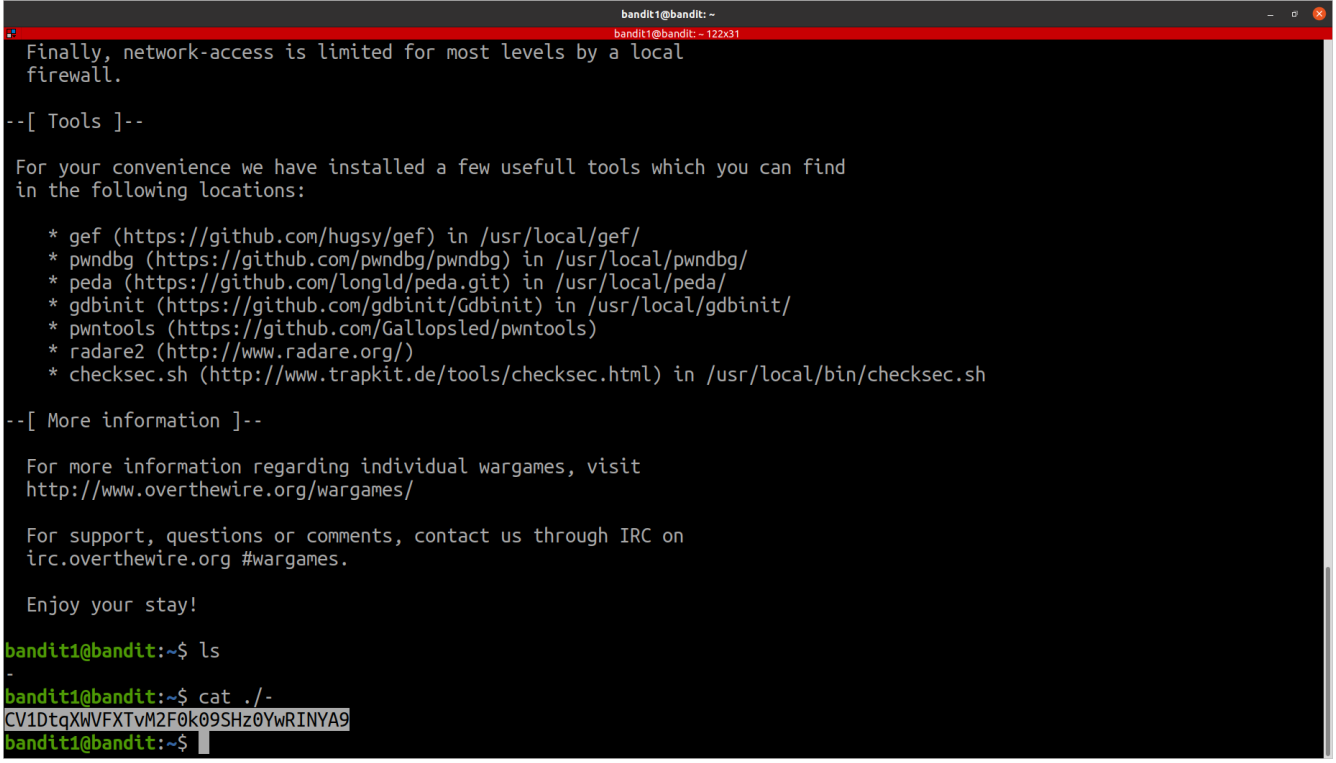
Nivel 1 to 2



Contraseña obtenida:
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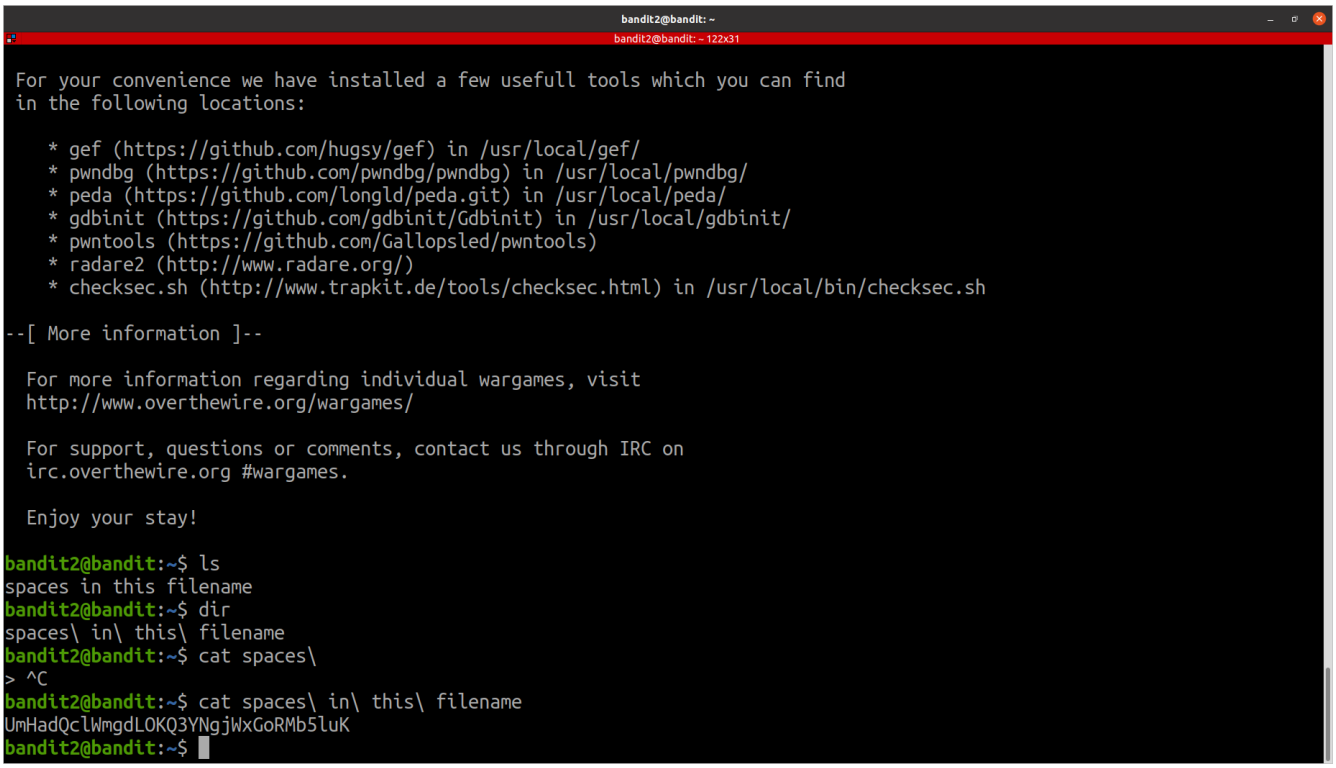
Nivel 2 to 3



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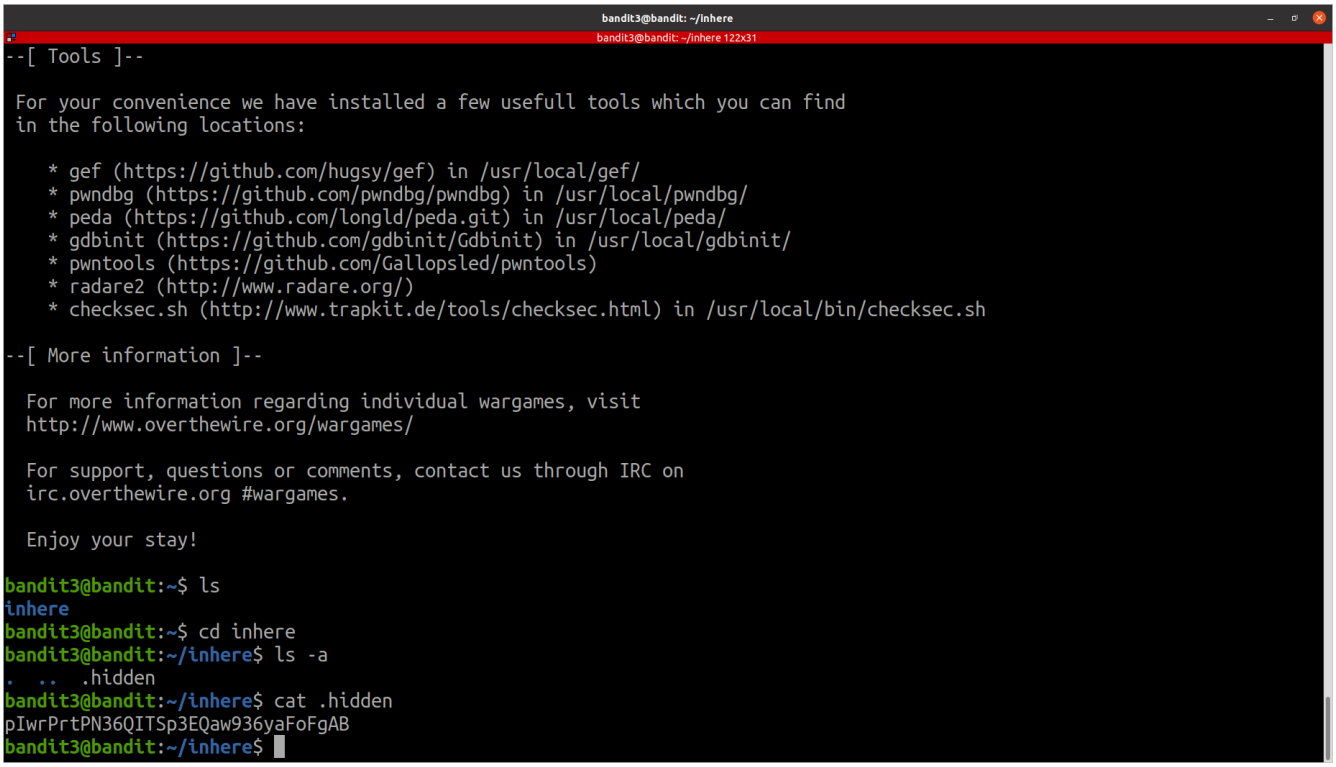
Nivel 3 to 4



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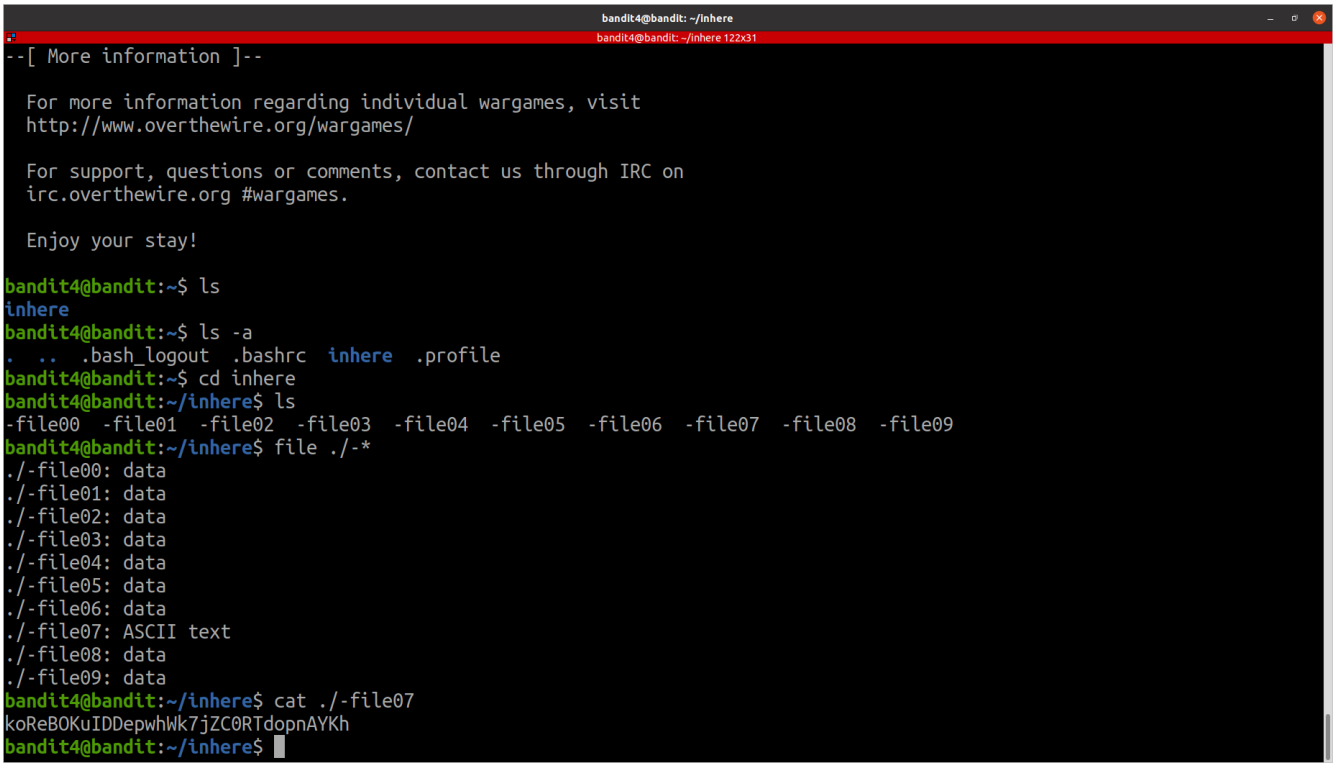
Nivel 4 to 5



Contraseña obtenida:
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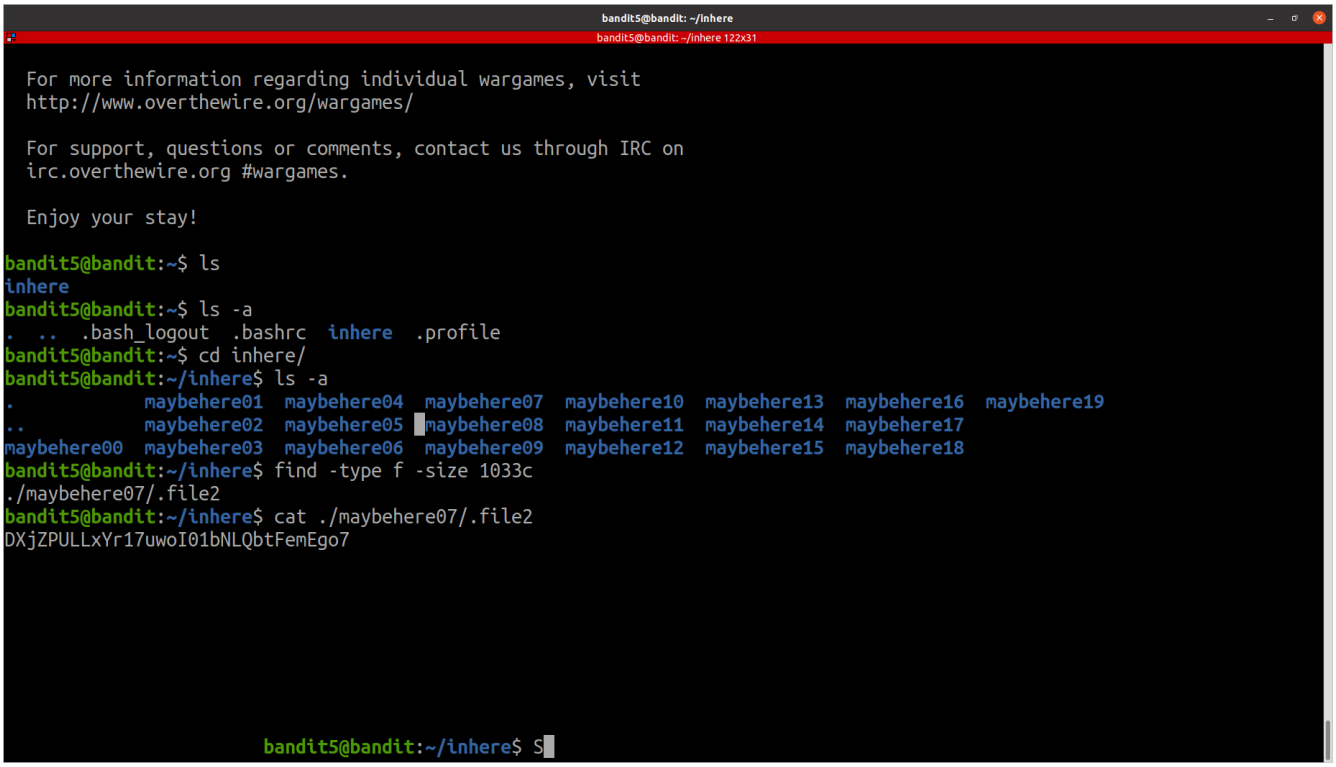
Nivel 5 to 6



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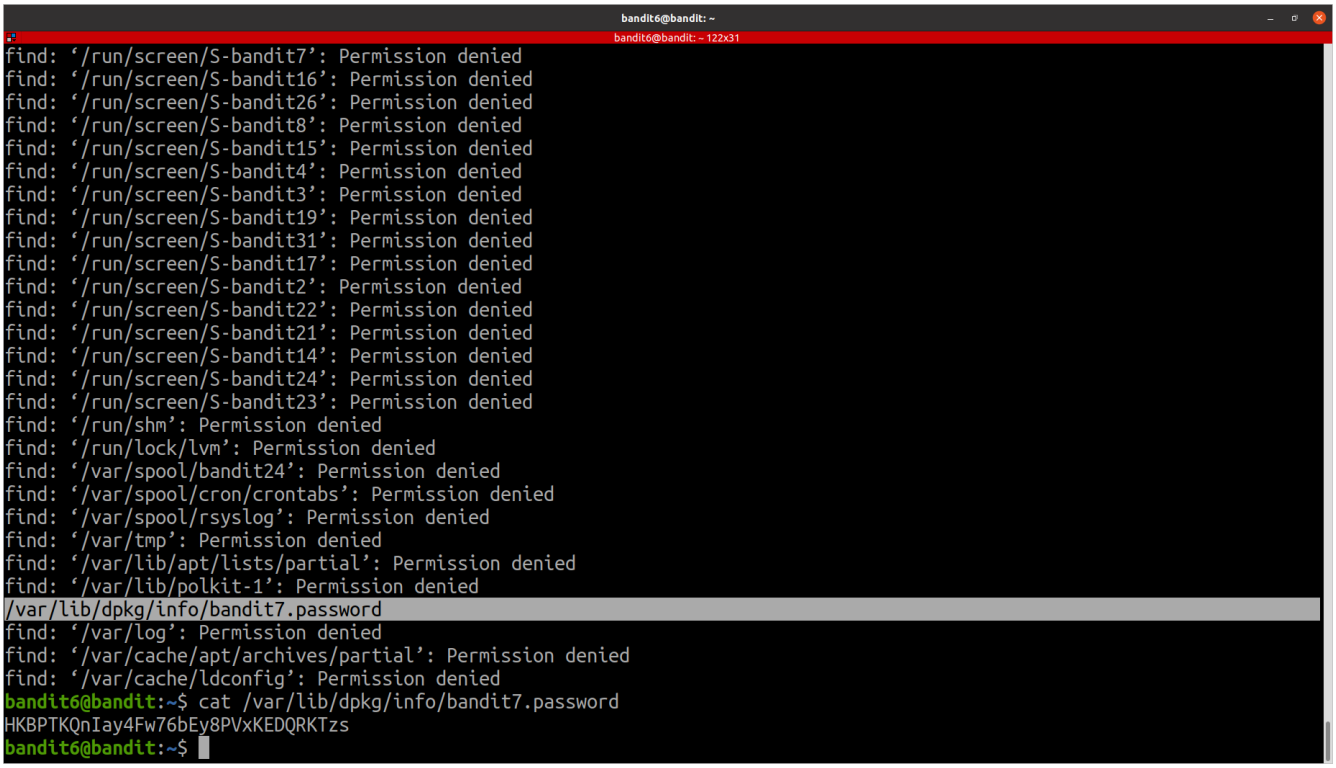
Nivel 6 to 7



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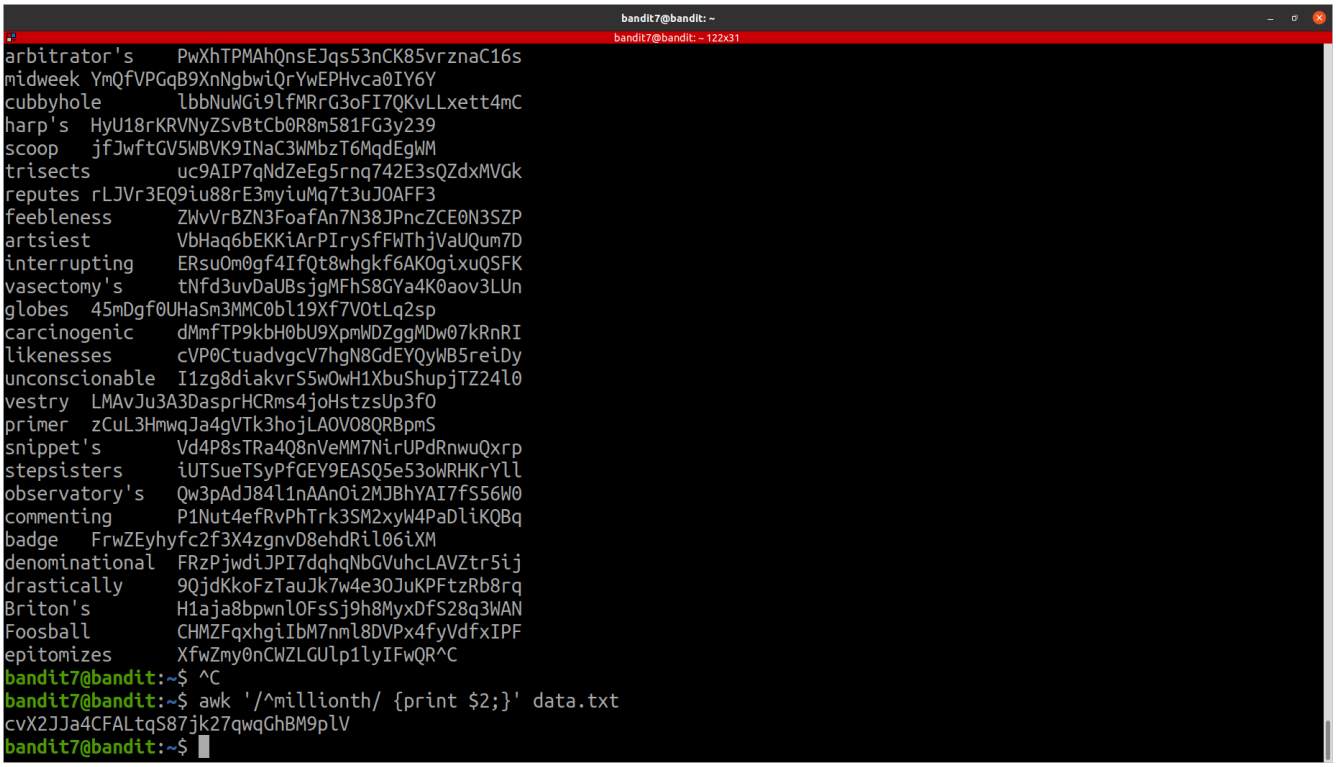
Nivel 7 to 8



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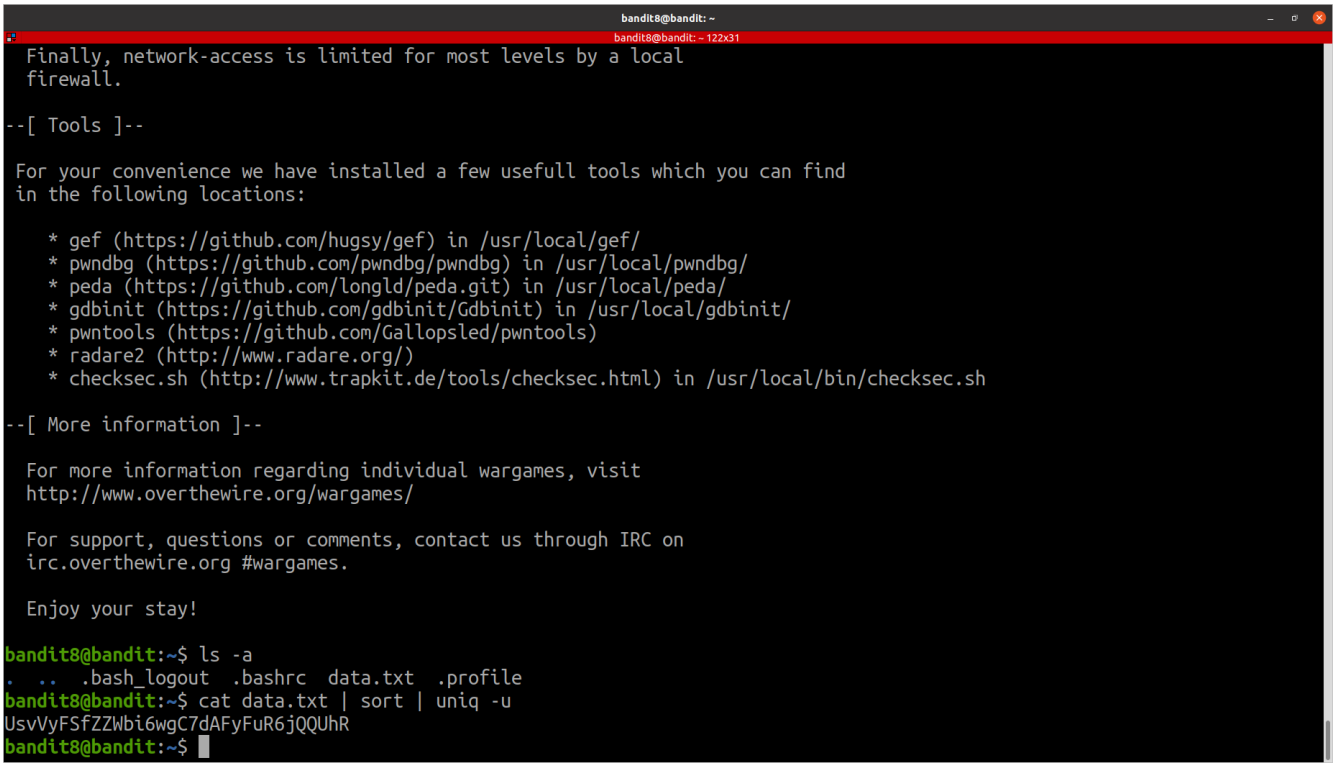
Nivel 8 to 9



Contraseña obtenida:
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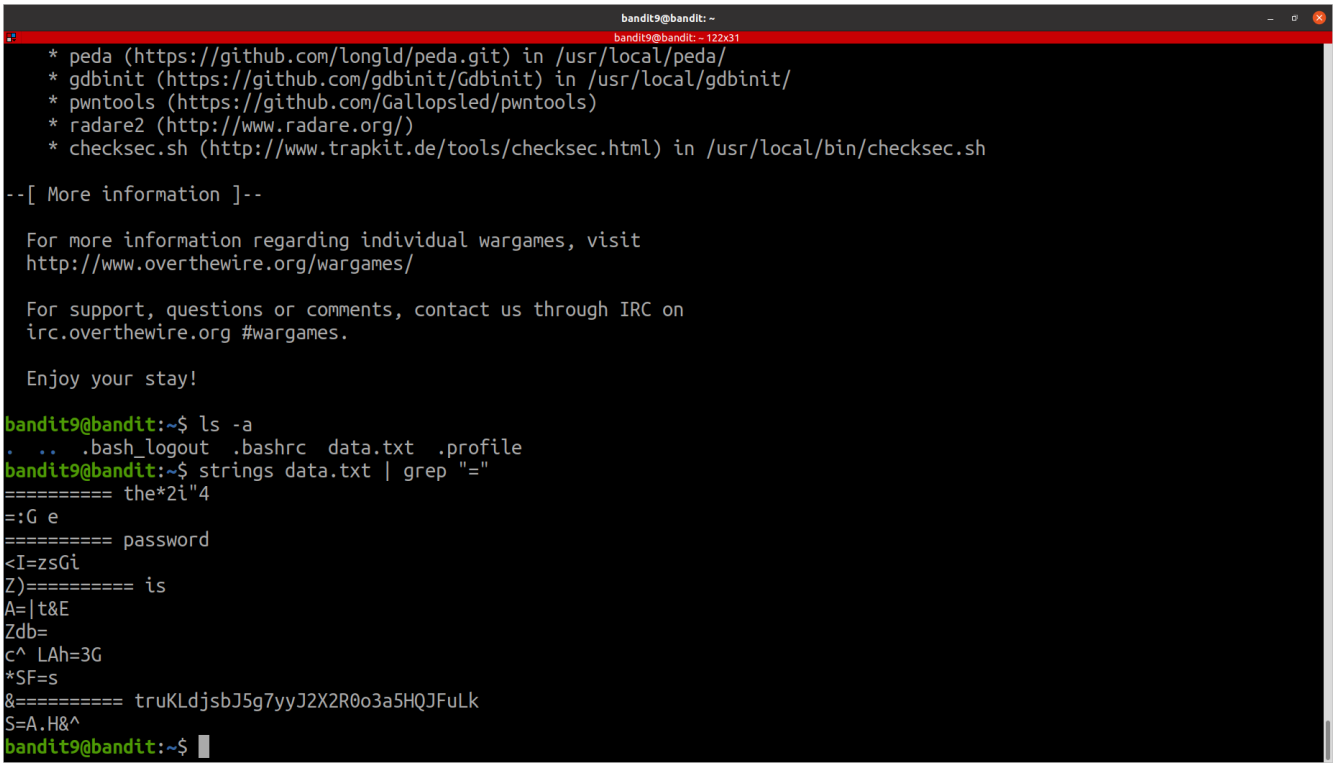
Nivel 9 to 10



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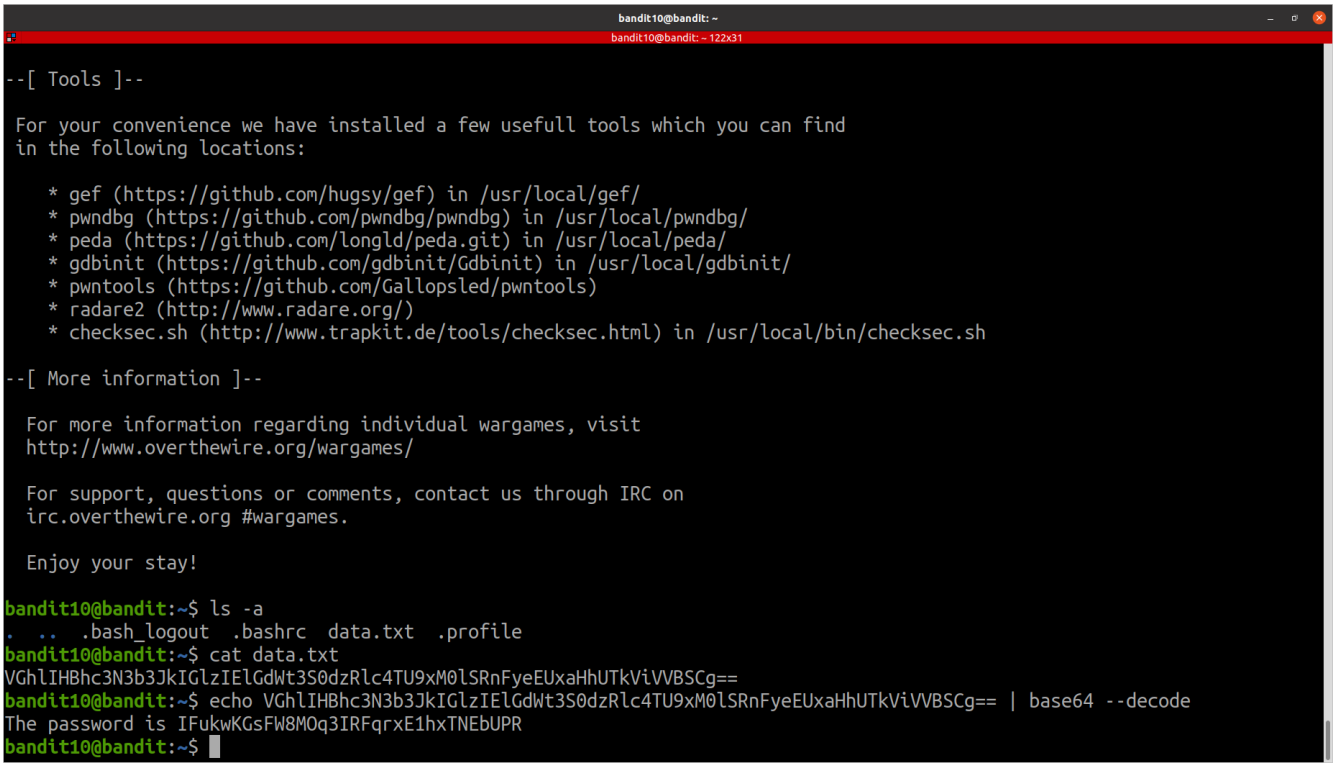
Nivel 10 to 11



Contraseña obtenida:
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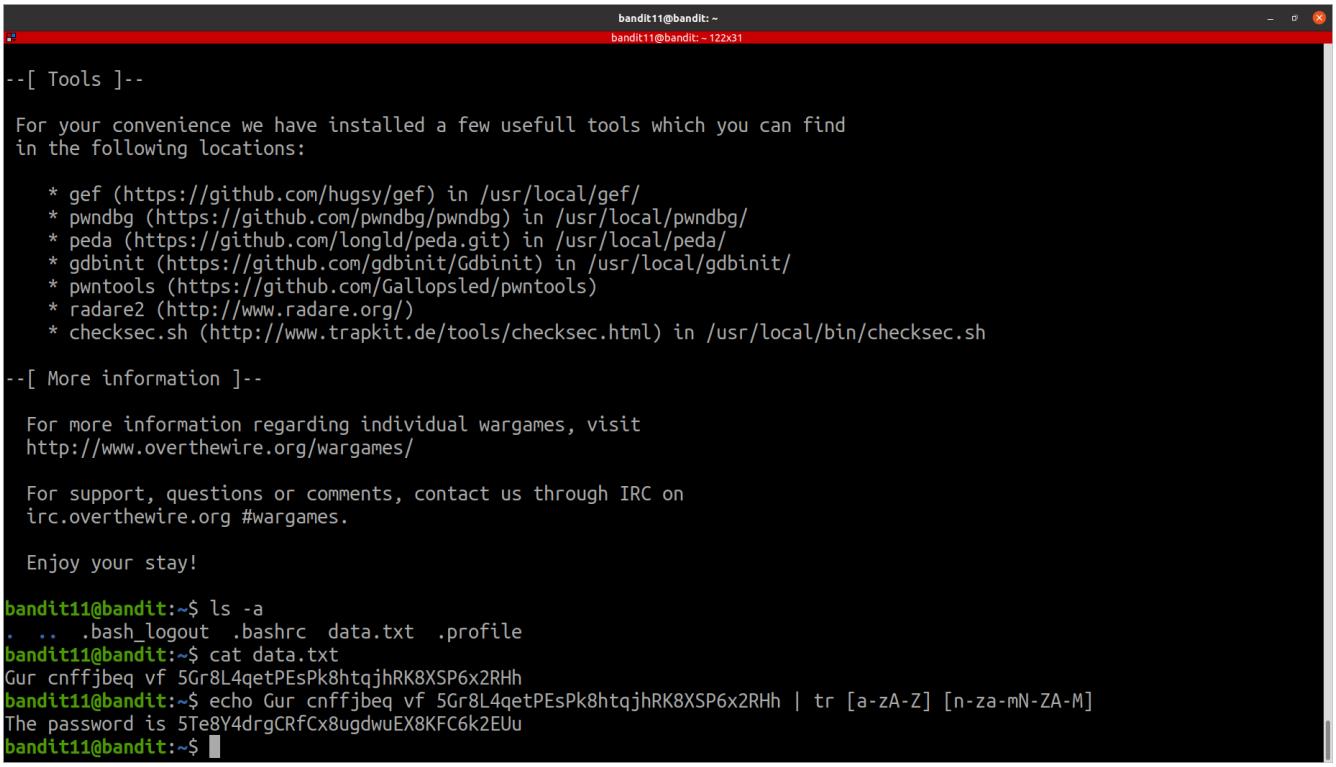
Nivel 11 to 12



Contraseña obtenida:
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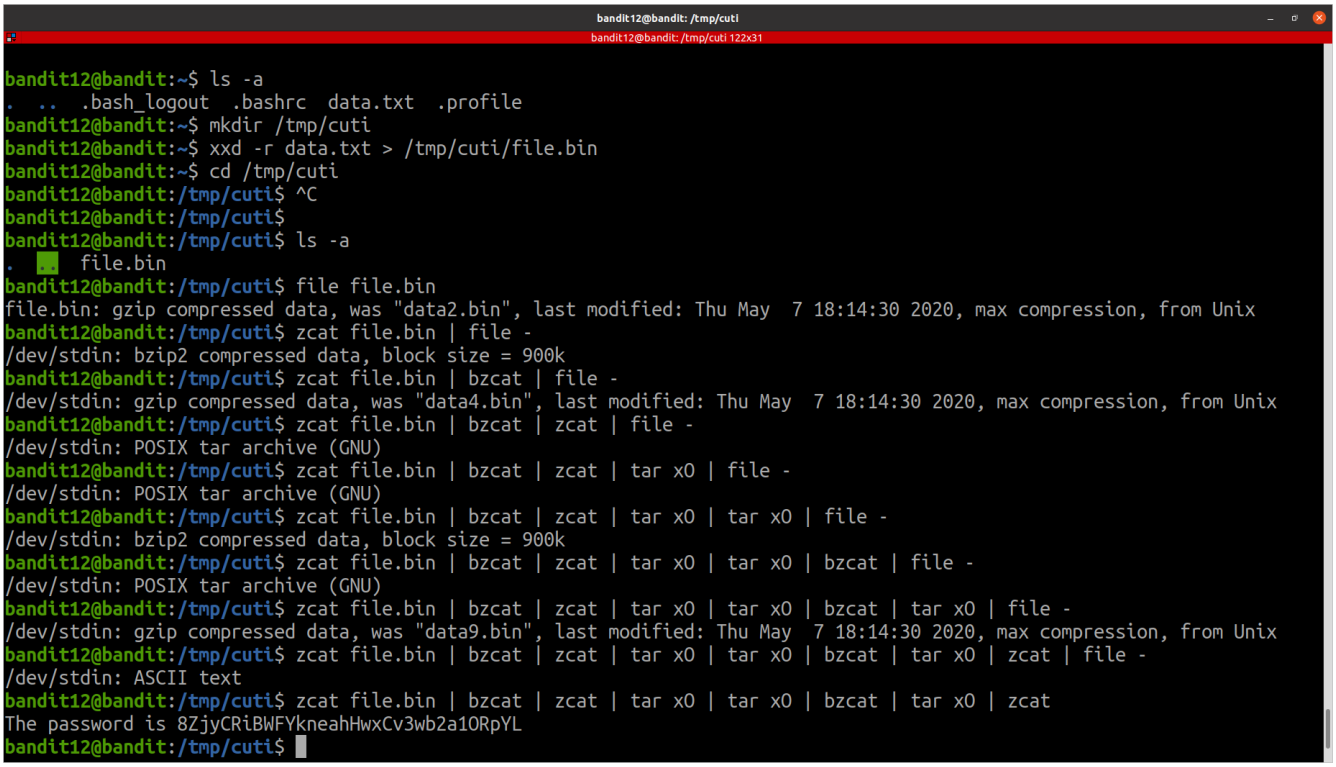
Nivel 12 to 13



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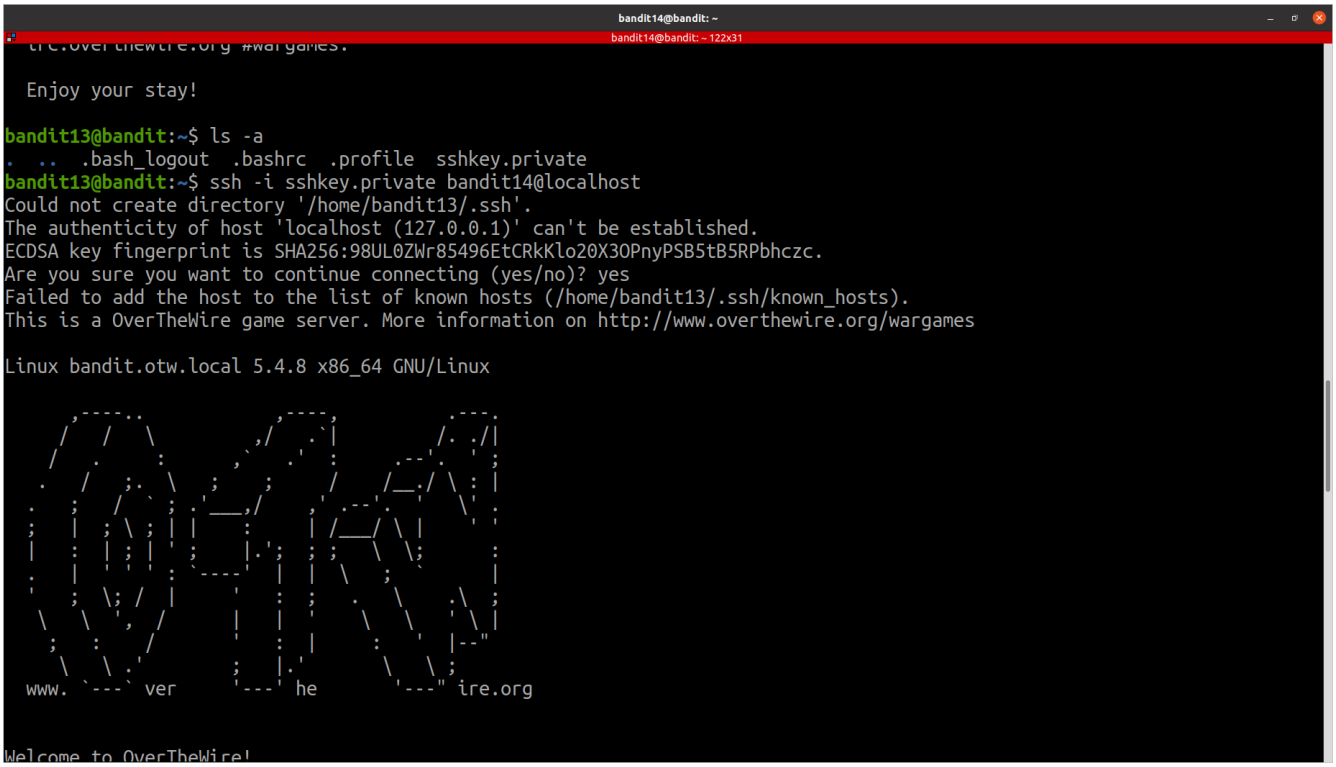
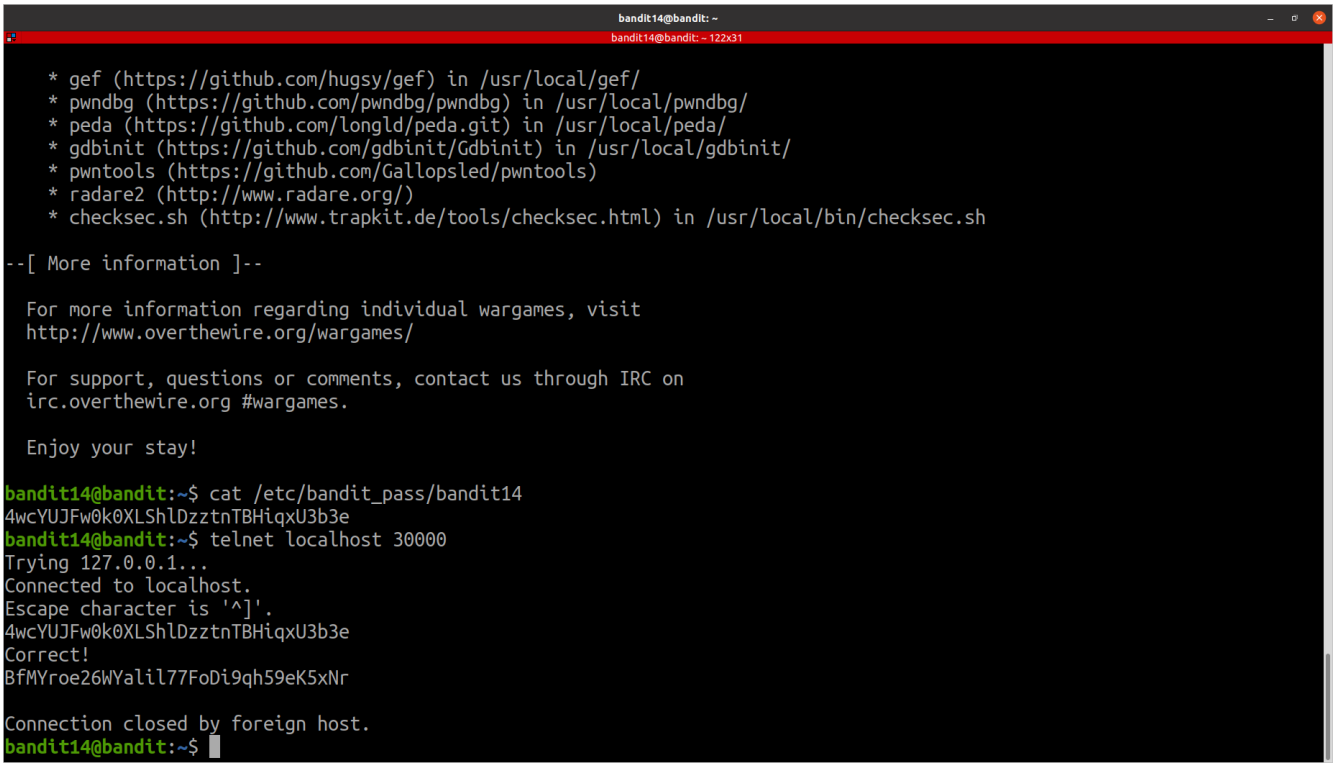
Nivel 13 to 14



No obtenemos contraseña sino un pase ssh al siguiente nivel.

Nivel 14 to 15



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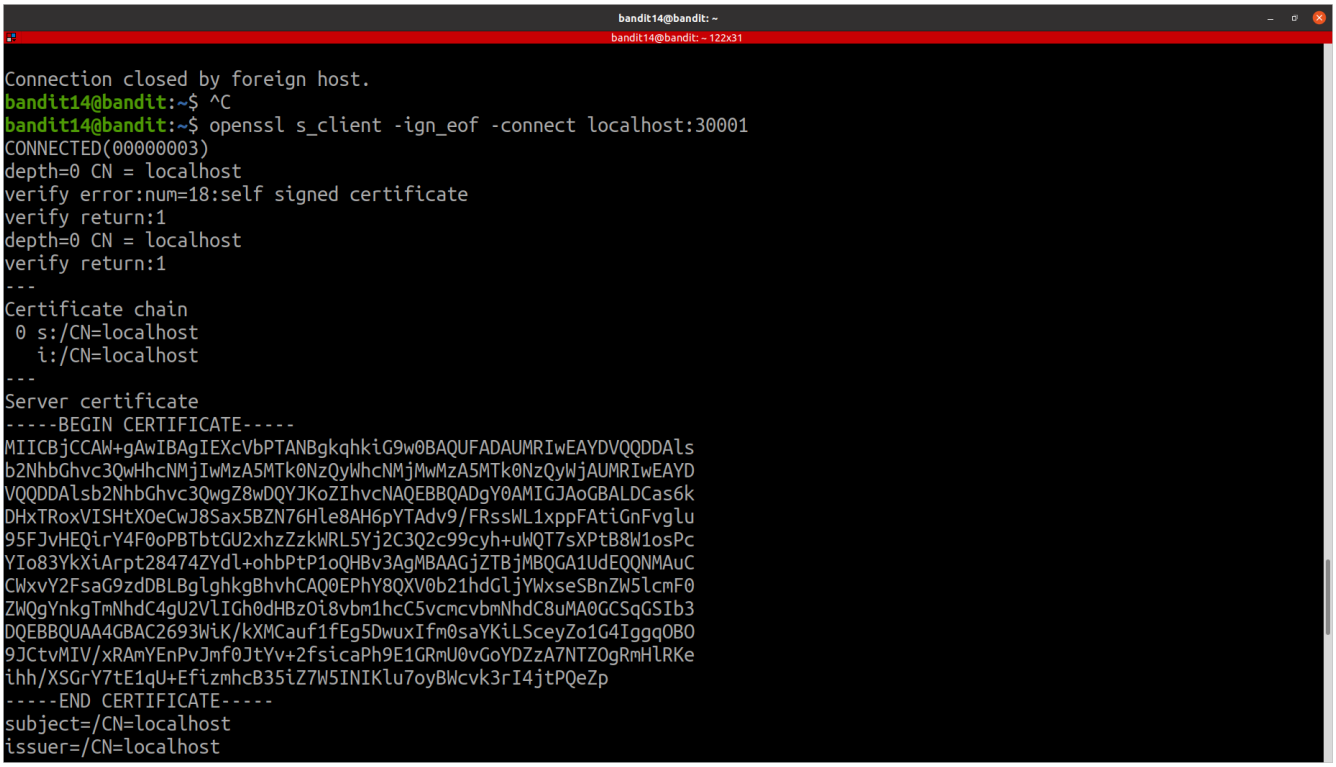
Nivel 15 to 16



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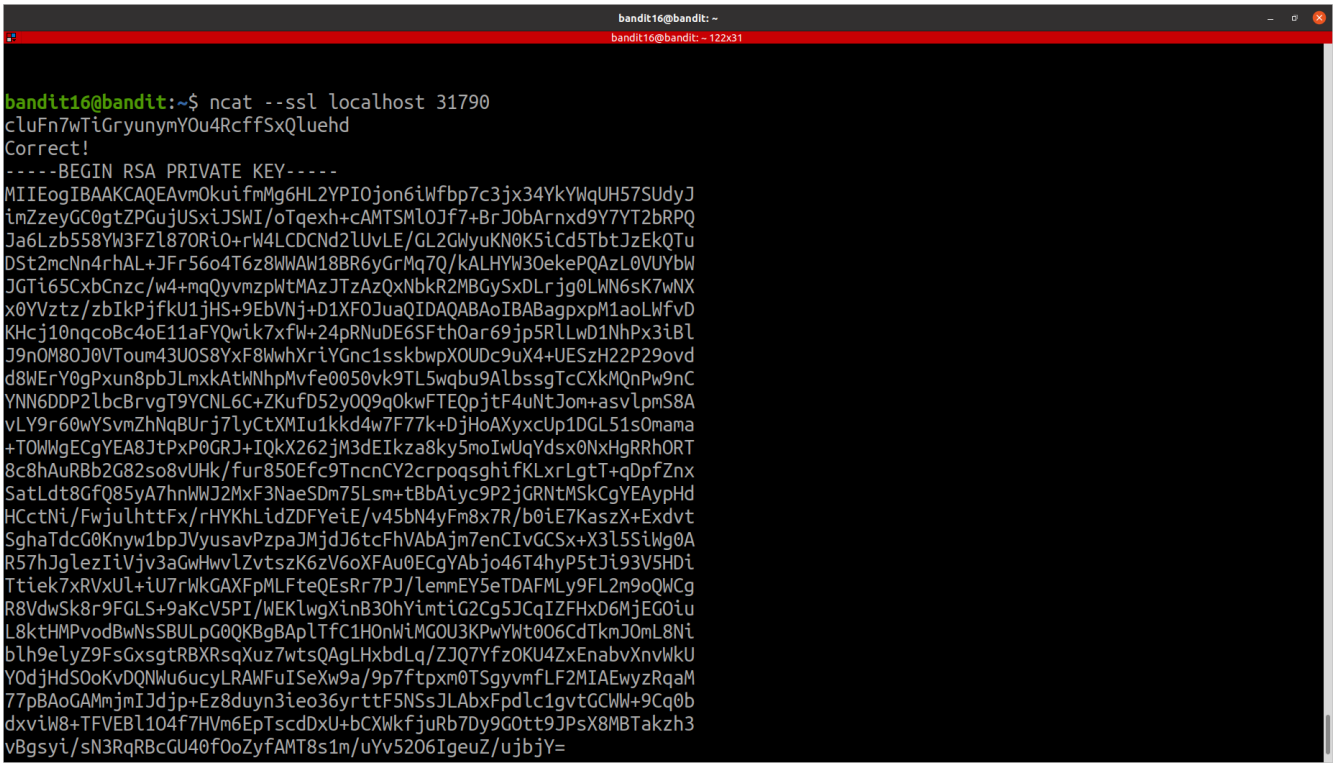
Nivel 16 to 17



Contraseña obtenida:

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Ja6Lzb558YW3FZl87ORiO+rW4LCDCNd2lUvLE/GL2GWyuKN0K5iCd5TbtJzEk
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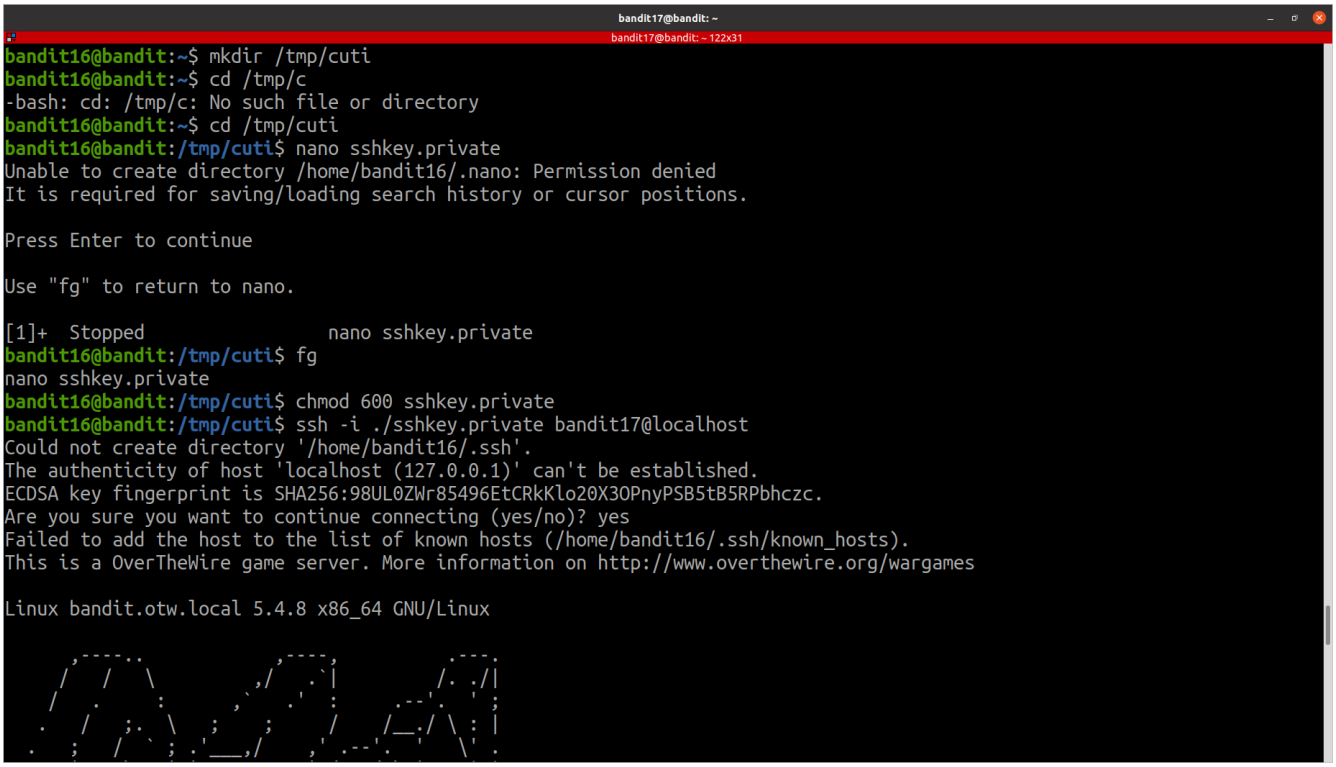
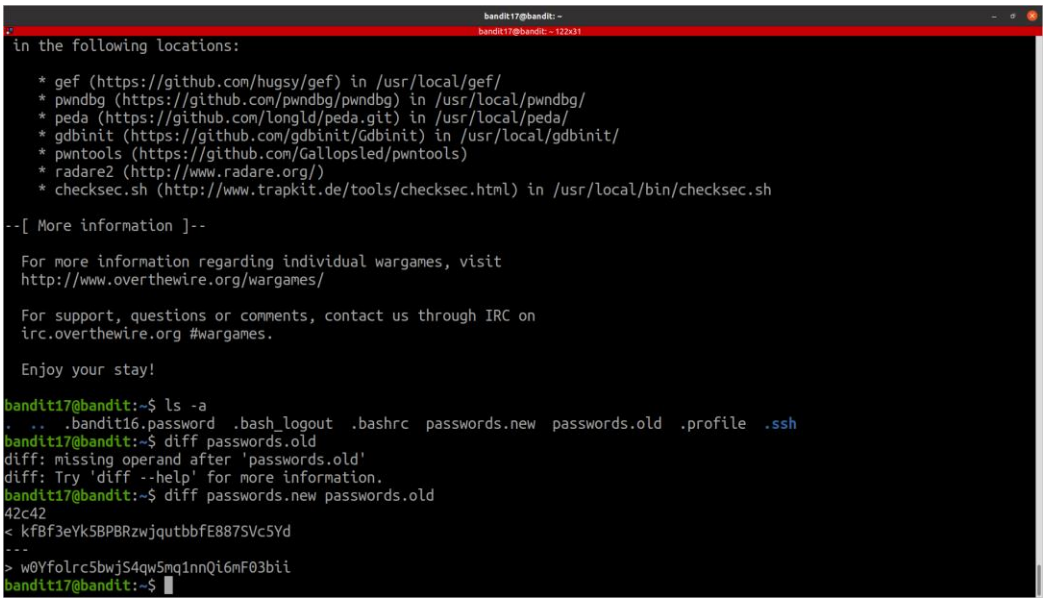
-----END RSA PRIVATE KEY-----



Nivel 17 to 18



Contraseña obtenida:
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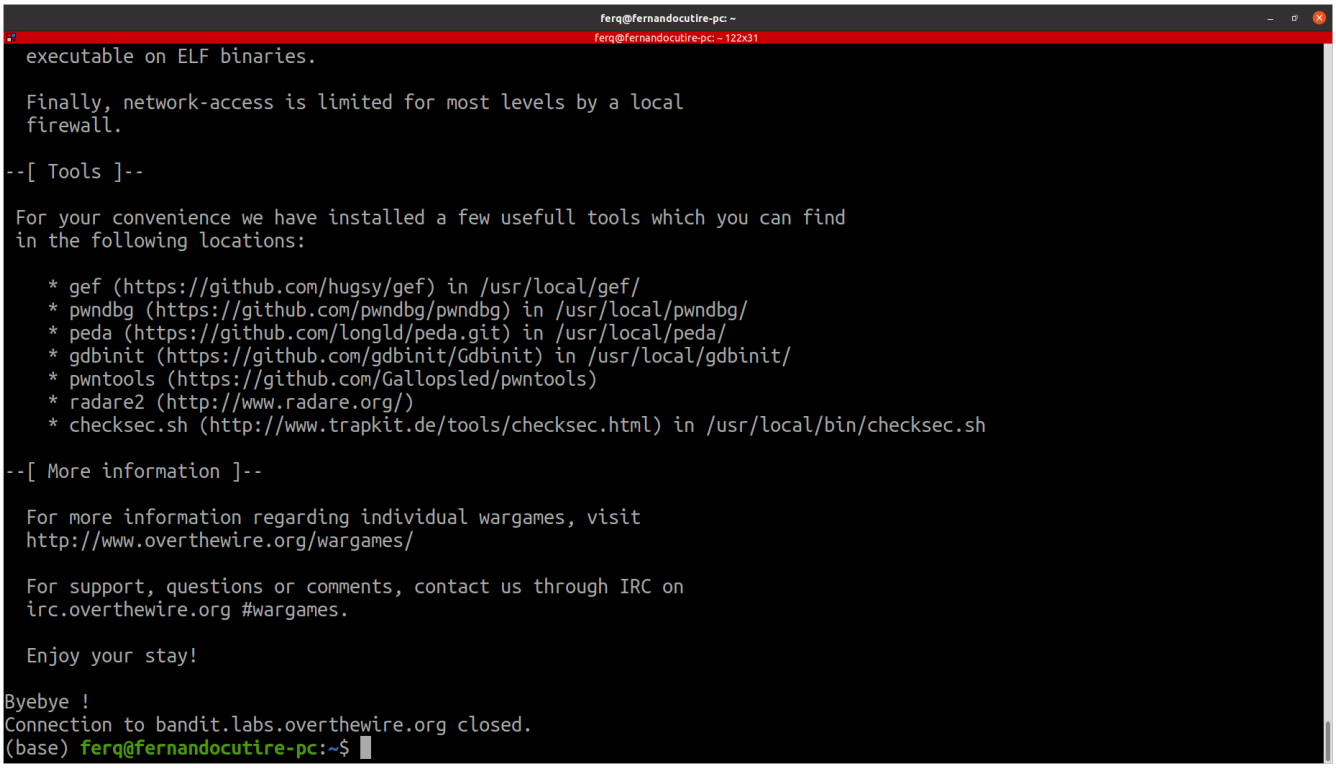
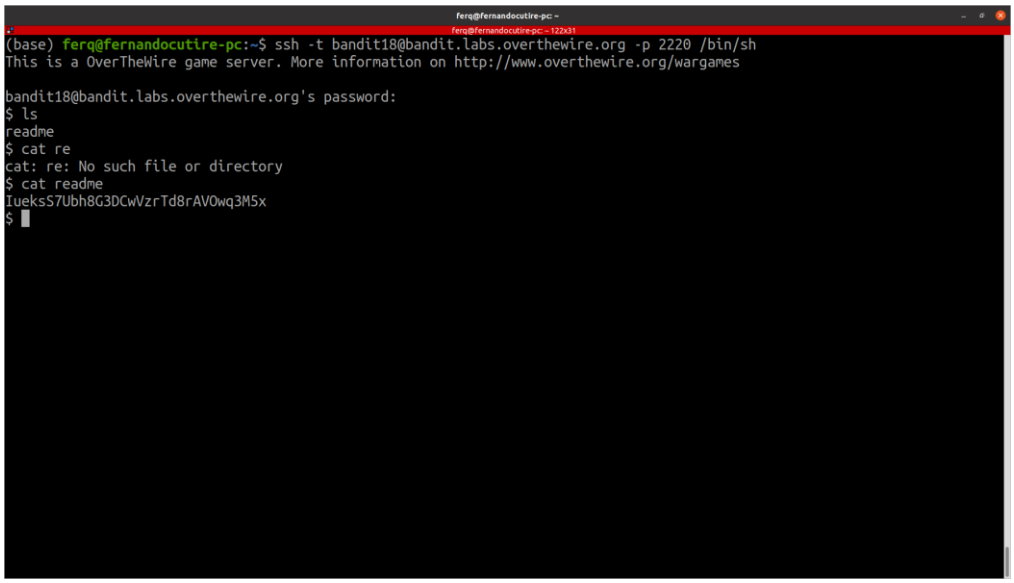
Nivel 18 to 19





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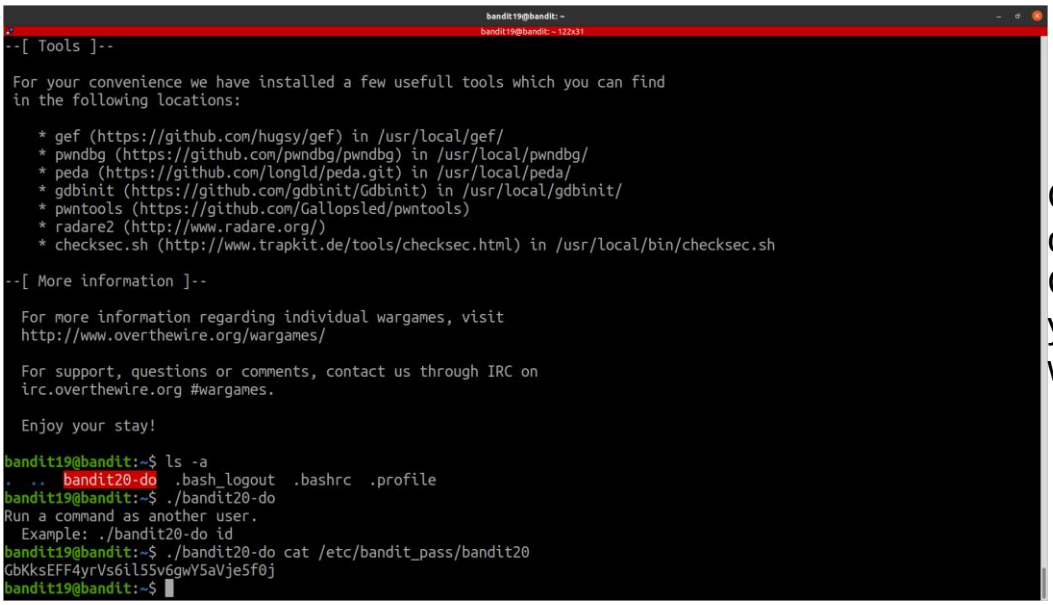
Nivel 19 to 20



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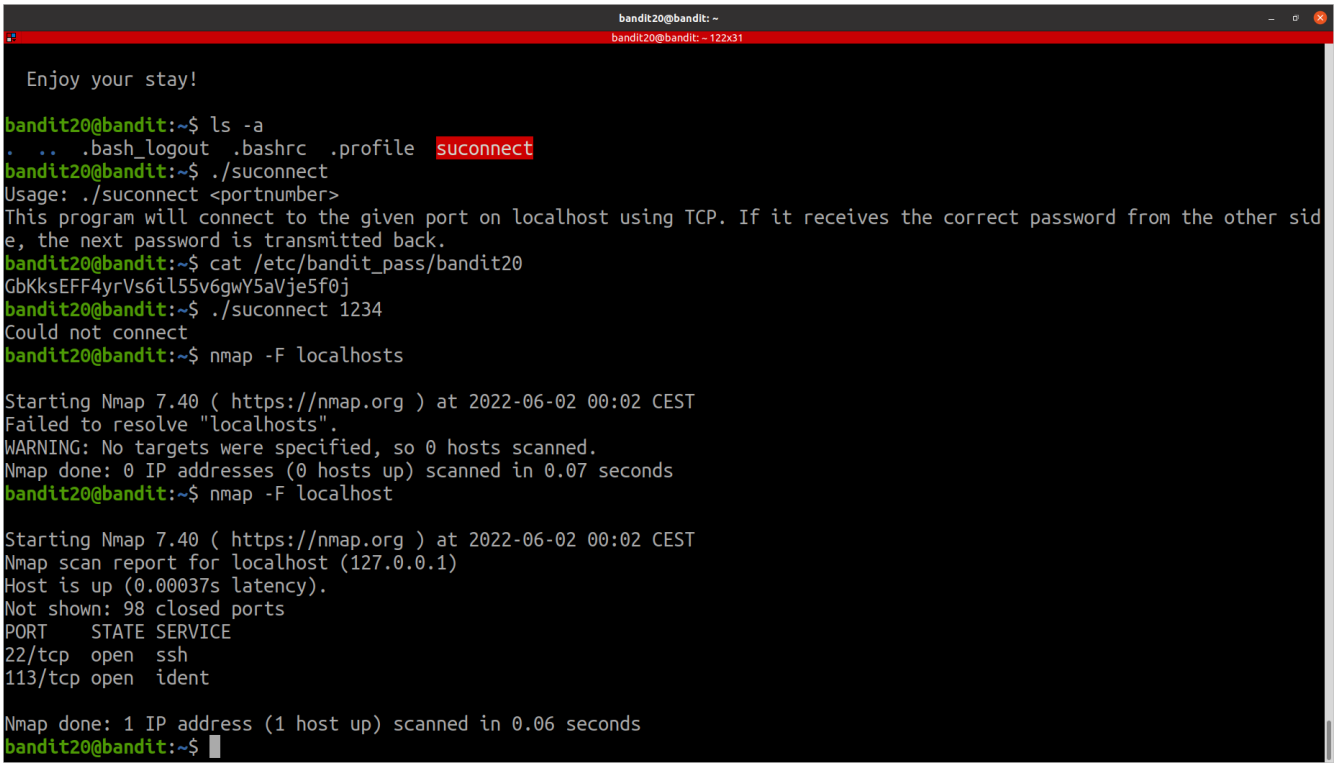
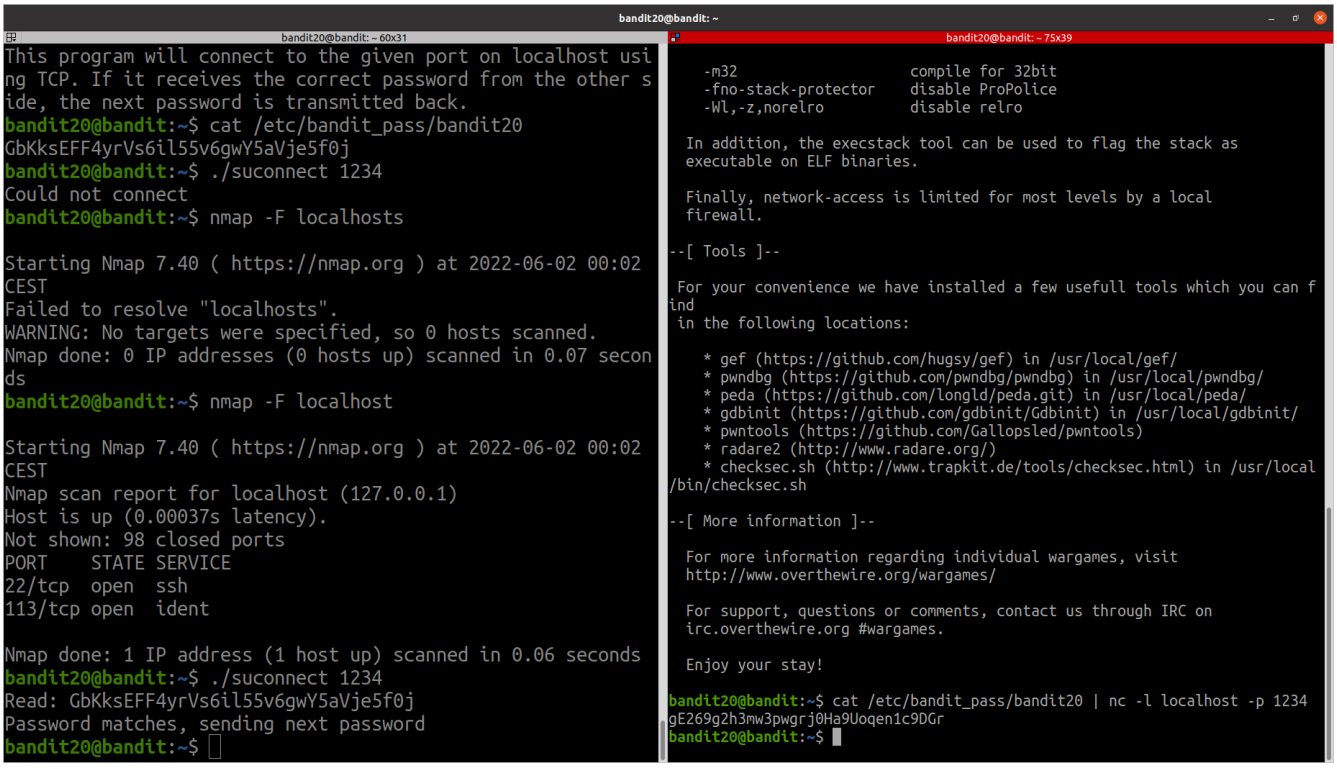
Nivel 20 to 21


bandit20@bandit: ~
bandit20@bandit: ~ 122x31
Enjoy your stay!
bandit20@bandit:~$ ls -a
. .. .bash_logout .bashrc .profile suconnect
bandit20@bandit:~$ ./suconnect
Usage: ./suconnect <portnumber>
This program will connect to the given port on localhost using TCP. If it receives the correct password from the other sid
e, the next password is transmitted back.
bandit20@bandit:~$ cat /etc/bandit_pass/bandit20
GbKksEFF4yrVs6il55v6gwY5aVje5f0j
bandit20@bandit:~$ ./suconnect 1234
Could not connect
bandit20@bandit:~$ nmap -F localhosts
Starting Nmap 7.40 (https://nmap.org) at 2022-06-02 00:02 CEST
Failed to resolve "localhosts".
WARNING: No targets were specified, so 0 hosts scanned.
Nmap done: 0 IP addresses (0 hosts up) scanned in 0.07 seconds
bandit20@bandit:~$ nmap -F localhost
Starting Nmap 7.40 (https://nmap.org) at 2022-06-02 00:02 CEST
Nmap scan report for localhost (127.0.0.1)
Host is up (0.00037s latency).
Not shown: 98 closed ports
PORT STATE SERVICE
22/tcp open ssh
113/tcp open ident
Nmap done: 1 IP address (1 host up) scanned in 0.06 seconds
bandit20@bandit:~$


bandit20@bandit: ~
bandit20@bandit: ~ 60x31
This program will connect to the given port on localhost usi
ng TCP. If it receives the correct password from the other s
ide, the next password is transmitted back.
bandit20@bandit:~$ cat /etc/bandit_pass/bandit20
GbKksEFF4yrVs6il55v6gwY5aVje5f0j
bandit20@bandit:~$ ./suconnect 1234
Could not connect
bandit20@bandit:~$ nmap -F localhosts
Starting Nmap 7.40 (https://nmap.org) at 2022-06-02 00:02
CEST
Failed to resolve "localhosts".
WARNING: No targets were specified, so 0 hosts scanned.
Nmap done: 0 IP addresses (0 hosts up) scanned in 0.07 secon
ds
bandit20@bandit:~$ nmap -F localhost
Starting Nmap 7.40 (https://nmap.org) at 2022-06-02 00:02
CEST
Nmap scan report for localhost (127.0.0.1)
Host is up (0.00037s latency).
Not shown: 98 closed ports
PORT STATE SERVICE
22/tcp open ssh
113/tcp open ident
Nmap done: 1 IP address (1 host up) scanned in 0.06 seconds
bandit20@bandit:~$ ./suconnect 1234
Read: GbKksEFF4yrVs6il55v6gwY5aVje5f0j
Password matches, sending next password
bandit20@bandit:~$
bandit20@bandit: ~ 75x39
-m32 compile for 32bit
-fno-stack-protector disable ProPolice
-Wl,-z,norelro disable relro
In addition, the execstack tool can be used to flag the stack as
executable on ELF binaries.
Finally, network-access is limited for most levels by a local
firewall.
--[Tools]--
For your convenience we have installed a few usefull tools which you can f
ind
in the following locations:
* gef (https://github.com/hugsy/gef) in /usr/local/gef/
* pwndbg (https://github.com/pwndbg/pwndbg) in /usr/local/pwndbg/
* peda (https://github.com/longld/peda.git) in /usr/local/peda/
* gdbinit (https://github.com/gdbinit/Gdbinit) in /usr/local/gdbinit/
* pwntools (https://github.com/Gallopsled/pwntools)
* radare2 (http://www.radare.org/)
* checksec.sh (http://www.trapkit.de/tools/checksec.html) in /usr/local
/bin/checksec.sh
--[More information]--
For more information regarding individual wargames, visit
http://www.overthewire.org/wargames/
For support, questions or comments, contact us through IRC on
irc.overthewire.org #wargames.
Enjoy your stay!
bandit20@bandit:~$ cat /etc/bandit_pass/bandit20 | nc -l localhost -p 1234
gE269g2h3mw3pwgrj0Ha9Uoqen1c9DGr
bandit20@bandit:~$

Contraseña obtenida:
gE269g2h3mw3pwgrj0Ha9Uoqen1c9DGr