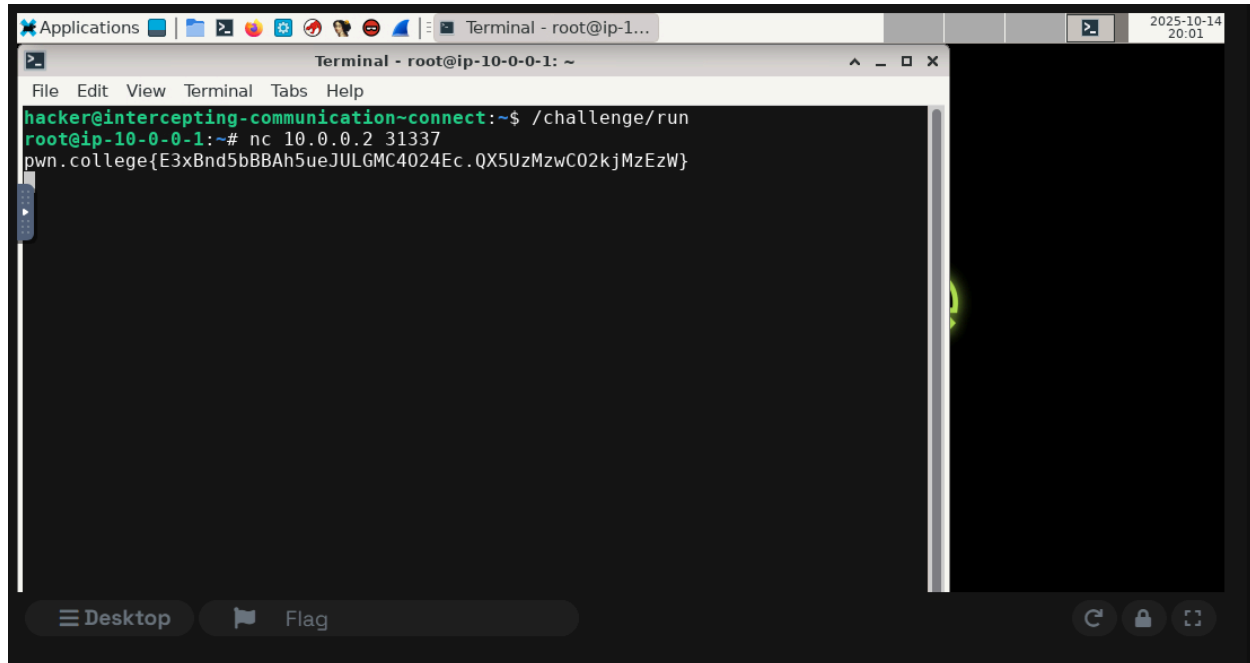


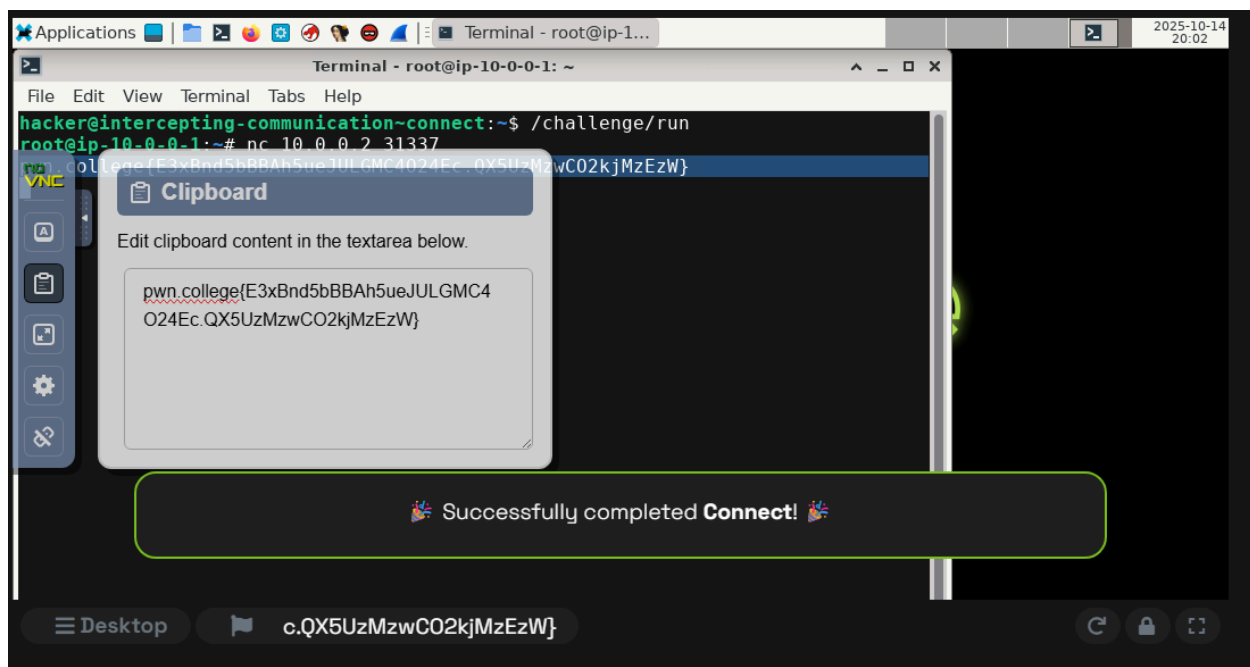
Jaleel Williamson
jayw-713
CSCI 400 Lab 11
10/14/25

<https://pwn.college/intro-to-cybersecurity/intercepting-communication/>

- Connect

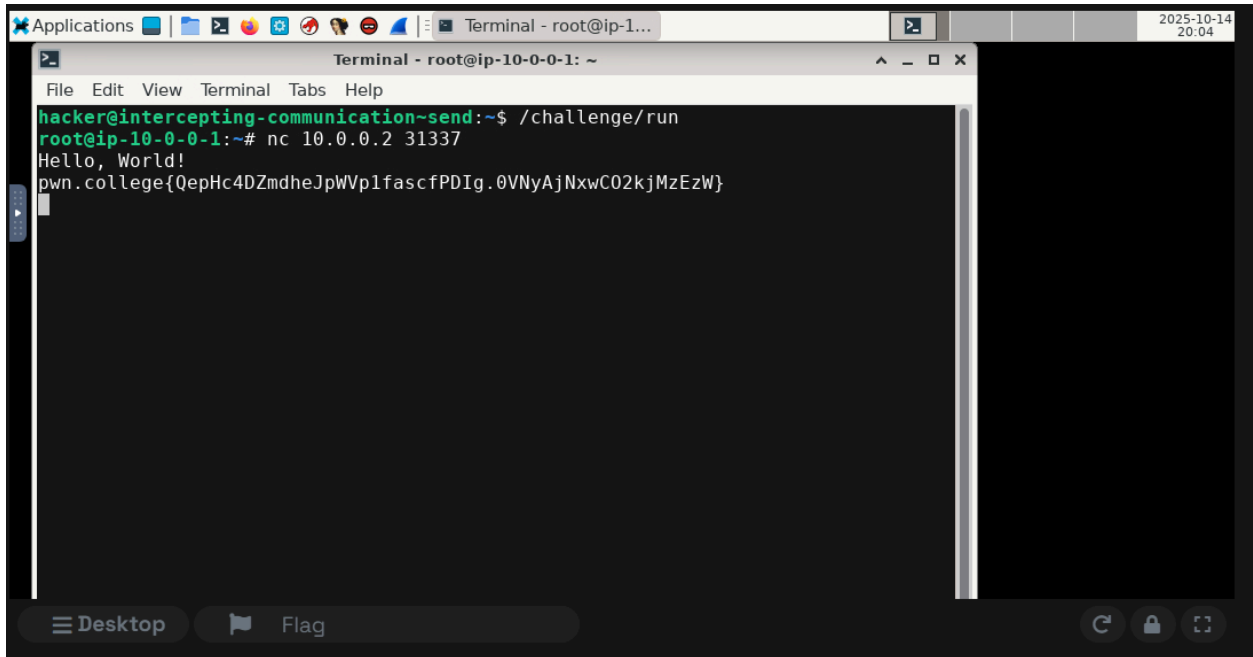


A terminal window titled "Terminal - root@ip-10-0-0-1: ~" is shown. The prompt is "hacker@intercepting-communication-connect:~\$". The user enters "/challenge/run". The prompt changes to "root@ip-10-0-0-1:~#". The user enters "nc 10.0.0.2 31337". The terminal displays the output: "pwn.college{E3xBnd5bBBAh5ueJULGMC4024Ec.QX5UzMzwC02kjMzEzW}".



The same terminal window is shown, but now a "Clipboard" dialog box is open, displaying the output: "pwn.college{E3xBnd5bBBAh5ueJULGMC4024Ec.QX5UzMzwC02kjMzEzW}". Below the terminal, a green-bordered box contains the text: "Successfully completed Connect!".

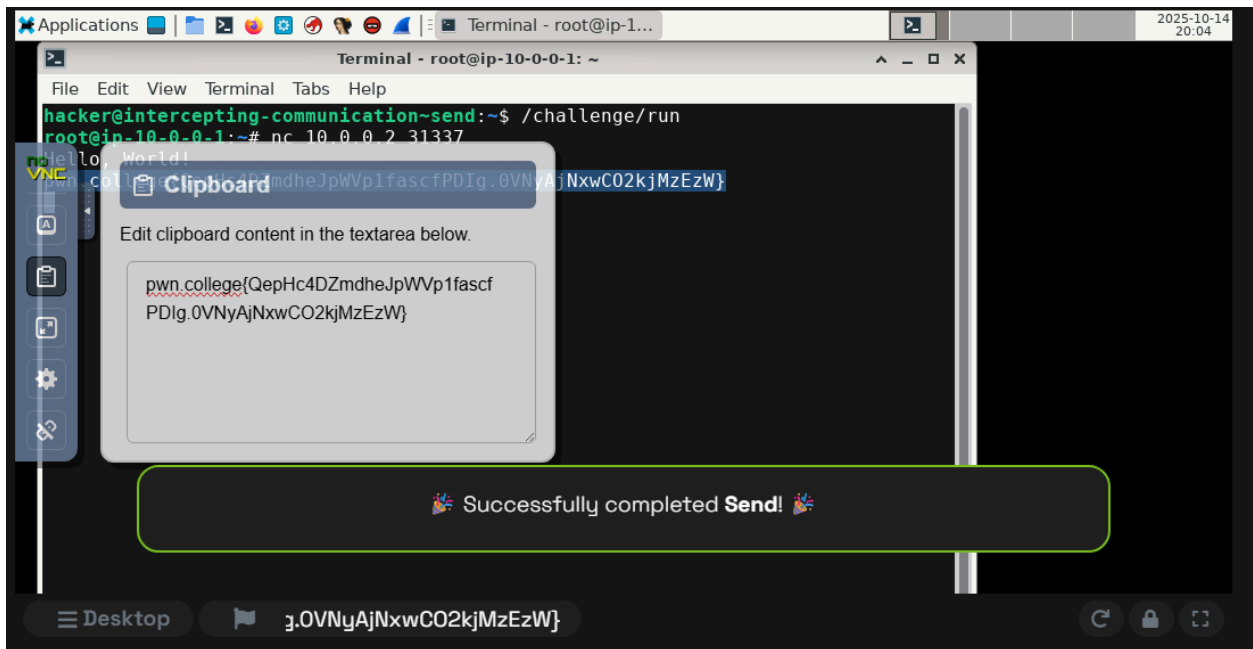
- Send



A terminal window titled "Terminal - root@ip-10-0-0-1: ~" with a menu bar (File, Edit, View, Terminal, Tabs, Help). The terminal shows the following commands and output:

```
hacker@intercepting-communication~send:~$ /challenge/run
root@ip-10-0-0-1:~# nc 10.0.0.2 31337
Hello, World!
pwn.college{QepHc4DZmdheJpWVp1fascfPDIg.0VNyAjNxxwC02kjMzEzW}
```

The desktop bar at the bottom shows "Desktop", "Flag", and system icons on the right.

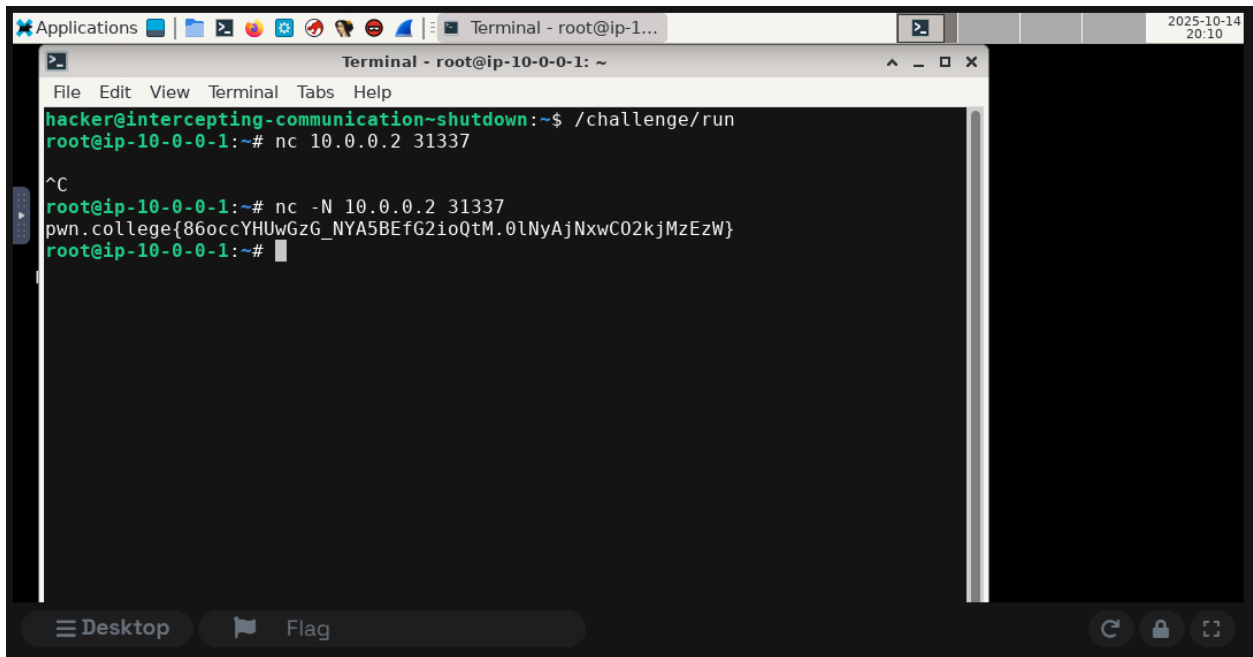


The same terminal window as above, but with a "Clipboard" overlay and a success message. The clipboard overlay shows the following text:

```
pwn.college{QepHc4DZmdheJpWVp1fascfPDIg.0VNyAjNxxwC02kjMzEzW}
```

Below the clipboard overlay, a green-bordered box contains the message: "Successfully completed Send! 🎉". The desktop bar at the bottom shows "Desktop", a flag icon, and the text "0VNyAjNxxwC02kjMzEzW".

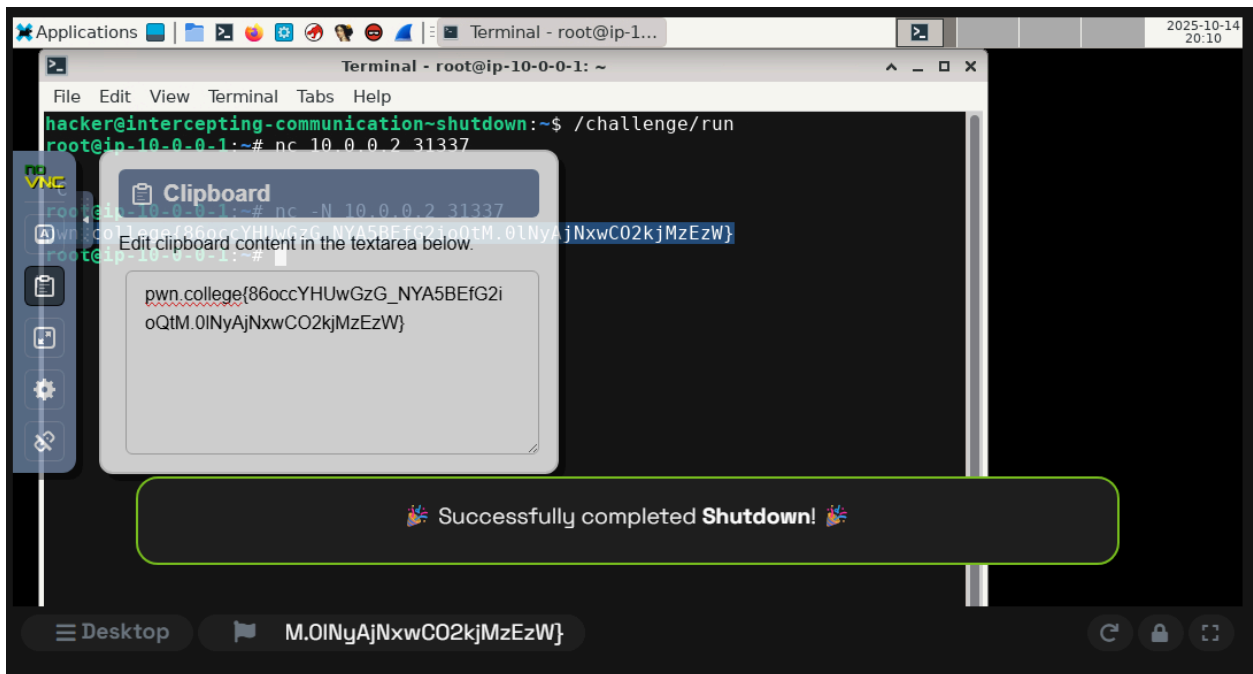
- Shutdown



A terminal window titled "Terminal - root@ip-10-0-0-1: ~" with a menu bar (File, Edit, View, Terminal, Tabs, Help). The terminal shows the following commands and output:

```
hacker@intercepting-communication-shutdown:~$ /challenge/run
root@ip-10-0-0-1:~# nc 10.0.0.2 31337
^C
root@ip-10-0-0-1:~# nc -N 10.0.0.2 31337
pwn.college{86occYHUwGzG_NYA5BEfG2ioQtM.0lNyAjNxwCO2kjMzEzW}
root@ip-10-0-0-1:~#
```

The terminal is part of a desktop environment with a top bar showing "Applications" and a date/time of "2025-10-14 20:10". The bottom bar shows "Desktop", "Flag", and a refresh button.

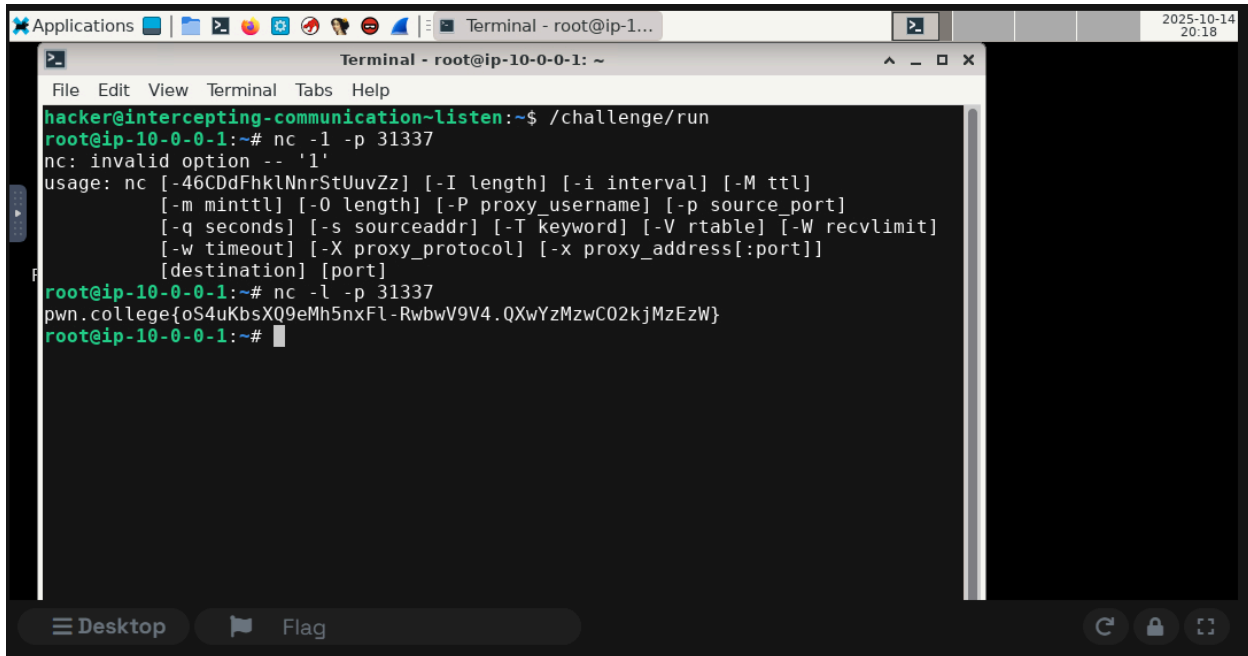


The same terminal window as above, but with a "Clipboard" overlay. The overlay shows the text "pwn.college{86occYHUwGzG_NYA5BEfG2ioQtM.0lNyAjNxwCO2kjMzEzW}" and a message "Edit clipboard content in the textarea below." The terminal text is partially obscured by the overlay.

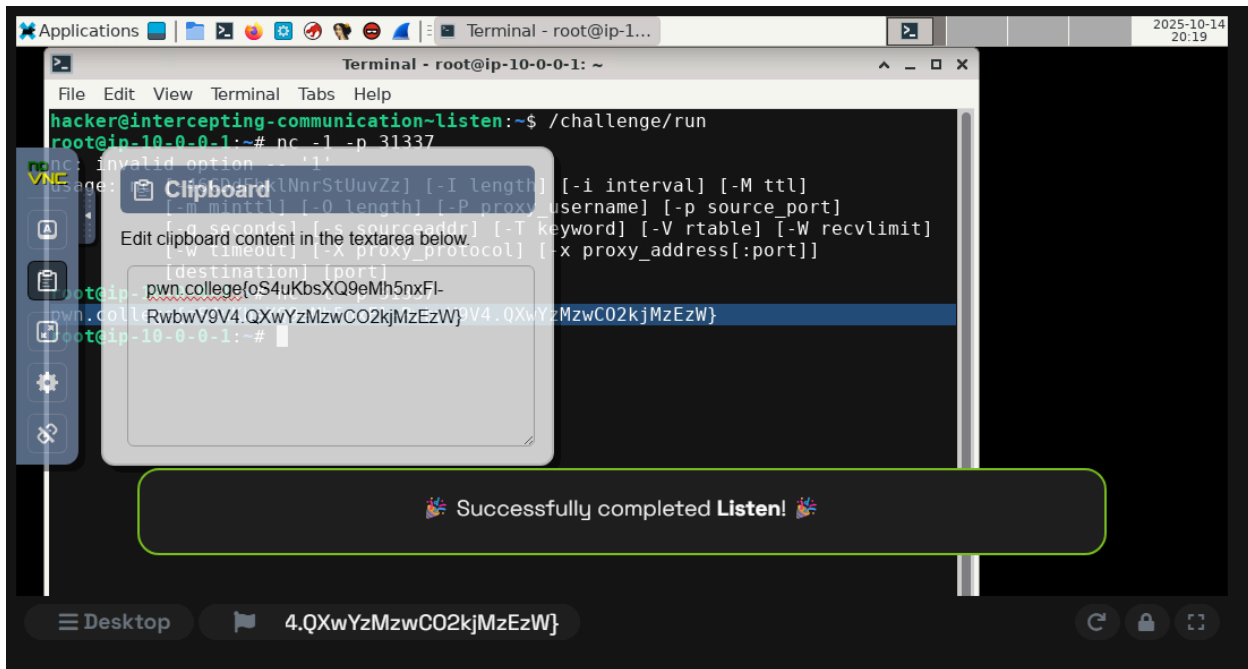
Below the terminal, a green-bordered box contains the message: "Successfully completed Shutdown! 🎉"

The bottom bar now shows "Desktop", "Flag", and the text "M.0lNyAjNxwCO2kjMzEzW}".

- Listen



```
Applications | [Icons] | Terminal - root@ip-1... | 2025-10-14 20:18
Terminal - root@ip-10-0-0-1: ~
File Edit View Terminal Tabs Help
hacker@intercepting-communication-listen:~$ /challenge/run
root@ip-10-0-0-1:~# nc -l -p 31337
nc: invalid option -- 'l'
usage: nc [-46CDdFhklNnrStUuvZz] [-I length] [-i interval] [-M ttl]
[-m minttl] [-O length] [-P proxy_username] [-p source_port]
[-q seconds] [-s sourceaddr] [-T keyword] [-V rtable] [-W recvlimit]
[-w timeout] [-X proxy_protocol] [-x proxy_address[:port]]
[destination] [port]
root@ip-10-0-0-1:~# nc -l -p 31337
pwn.college{oS4uKbsXQ9eMh5nxFL-RwbwV9V4.QXwYzMzwCO2kjMzEzW}
root@ip-10-0-0-1:~#
```



```
Applications | [Icons] | Terminal - root@ip-1... | 2025-10-14 20:19
Terminal - root@ip-10-0-0-1: ~
File Edit View Terminal Tabs Help
hacker@intercepting-communication-listen:~$ /challenge/run
root@ip-10-0-0-1:~# nc -l -p 31337
nc: invalid option -- 'l'
usage: nc [-46CDdFhklNnrStUuvZz] [-I length] [-i interval] [-M ttl]
[-m minttl] [-O length] [-P proxy_username] [-p source_port]
[-q seconds] [-s sourceaddr] [-T keyword] [-V rtable] [-W recvlimit]
[-w timeout] [-X proxy_protocol] [-x proxy_address[:port]]
[destination] [port]
root@ip-10-0-0-1:~# nc -l -p 31337
pwn.college{oS4uKbsXQ9eMh5nxFL-RwbwV9V4.QXwYzMzwCO2kjMzEzW}
root@ip-10-0-0-1:~#
```

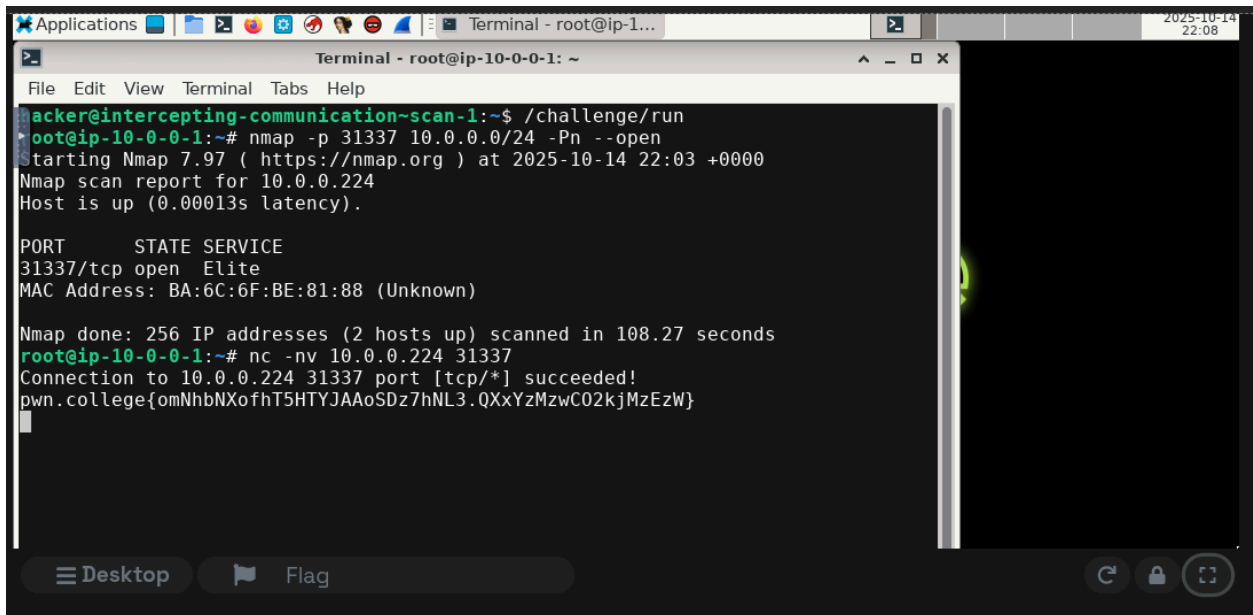
Clipboard

Edit clipboard content in the textarea below

4.QXwYzMzwCO2kjMzEzW}

Successfully completed Listen! 🎉

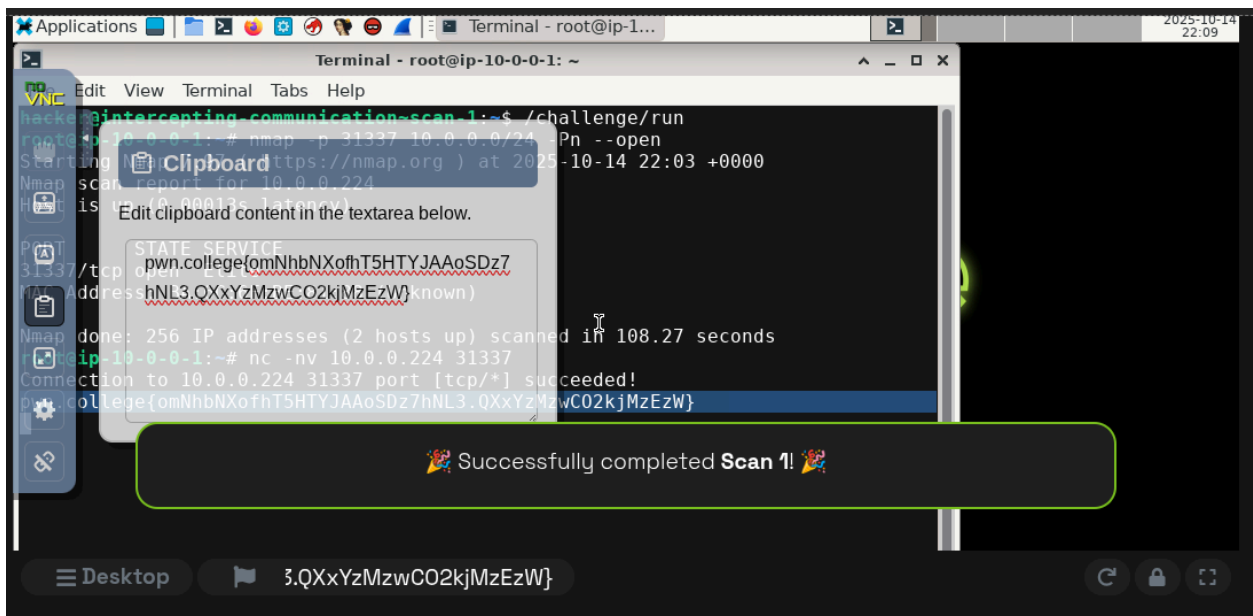
- Scan 1



```
Terminal - root@ip-10-0-0-1: ~
File Edit View Terminal Tabs Help
hacker@intercepting-communication~scan-1:~$ /challenge/run
root@ip-10-0-0-1:~# nmap -p 31337 10.0.0.0/24 -Pn --open
Starting Nmap 7.97 ( https://nmap.org ) at 2025-10-14 22:03 +0000
Nmap scan report for 10.0.0.224
Host is up (0.00013s latency).

PORT      STATE SERVICE
31337/tcp  open  Elite
MAC Address: BA:6C:6F:BE:81:88 (Unknown)

Nmap done: 256 IP addresses (2 hosts up) scanned in 108.27 seconds
root@ip-10-0-0-1:~# nc -nv 10.0.0.224 31337
Connection to 10.0.0.224 31337 port [tcp/*] succeeded!
pwn.college{omNhbNXofhT5HTYJAAoSDz7hNL3.QXxYzMzwCO2kjMzEzW}
```



```
Terminal - root@ip-10-0-0-1: ~
File Edit View Terminal Tabs Help
hacker@intercepting-communication~scan-1:~$ /challenge/run
root@ip-10-0-0-1:~# nmap -p 31337 10.0.0.0/24 -Pn --open
Starting Nmap 7.97 ( https://nmap.org ) at 2025-10-14 22:03 +0000
Nmap scan report for 10.0.0.224
Host is up (0.00013s latency).

PORT      STATE SERVICE
31337/tcp  open  Elite
MAC Address: BA:6C:6F:BE:81:88 (Unknown)

Nmap done: 256 IP addresses (2 hosts up) scanned in 108.27 seconds
root@ip-10-0-0-1:~# nc -nv 10.0.0.224 31337
Connection to 10.0.0.224 31337 port [tcp/*] succeeded!
pwn.college{omNhbNXofhT5HTYJAAoSDz7hNL3.QXxYzMzwCO2kjMzEzW}
```

Clipboard overlay: Edit clipboard content in the textarea below.

Successfully completed Scan 1!

- Scan 2

```
hacker@intercepting-communication-scan-2:~$ /challenge/run
root@ip-10-0-0-1:~# nmap -p 31337 10.0.0.0/16 -n -Pn --open -T5 --min-rate 5000 --max-retries 0 -oG - | grep '/open/'
-bash: child setpgid (10 to 167): Operation not permitted
Host: 10.0.170.2 ()    Ports: 31337/open/tcp//Elite///
root@ip-10-0-0-1:~# nc -nv 10.0.170.2 31337
Connection to 10.0.170.2 31337 port [tcp/*] succeeded!
pwn.college{E1CaM29Vjb0PtWCo5rp_U6GoaGj.QXyYzMzwC02kjMzEzW}
```

```
hacker@intercepting-communication-scan-2:~$ /challenge/run
root@ip-10-0-0-1:~# nmap -p 31337 10.0.0.0/16 -n -Pn --open -T5 --min-rate 5000 --max-retries 0 -oG - | grep '/open/'
-bash: child setpgid (10 to 167): Operation not permitted
Host: 10.0.170.2 ()    Ports: 31337/open/tcp//Elite///
root@ip-10-0-0-1:~# nc -nv 10.0.170.2 31337
Connection to 10.0.170.2 31337 port [tcp/*] succeeded!
pwn.college{E1CaM29Vjb0PtWCo5rp_U6GoaGj.QXyYzMzwC02kjMzEzW}
```

🎉 Successfully completed Scan 2! 🎉