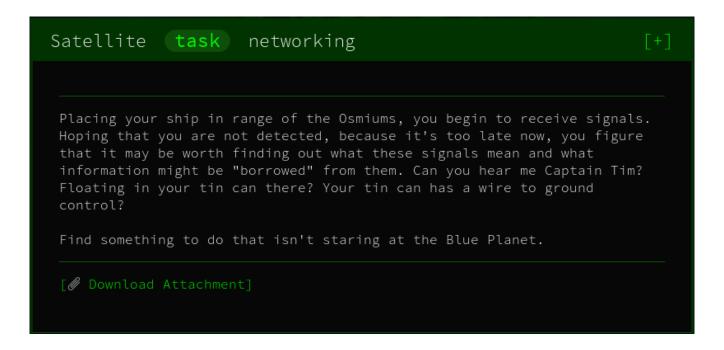


Beginner's Quest:

Satellite



1. Download the attachment and extract it, you will see two files.



2. The « README.pdf » have this content.

On your way down to earth you almost collided with that communications satellite. Stepping out to inspect, you find some space junk labeled "init_sat". It looks like humans run it to set up satellites.

Is the communication with the satellite really as secure as those humans always claim? Could this help you read the space-static to learn more about earth creatures, and whether to join the party down there? You load init_sat on your terminal.



3. Running the binnary show us those information.

Link:

https://docs.google.com/document/d/14eYPluD_pi3824GAFanS29tWdTcKxP_XUxx7e303-3E/edit

4. The link show us, a base64 decode it.

VXNlcm5hbWU6IHdpcmVzaGFyay1yb2NrcwpQYXNzd29yZDogc3RhcnQtc25pZmZpbmchCg==

```
root@nexus:~# echo 'VXNlcm5hbWU6IHdpcmVzaGFyaylyb2NrcwpQYXNzd29yZDogc3RhcnQtc25pZmZpbmchCg==' | base64 -d
Username: wireshark-rocks
Password: start-sniffing!
```

Not really useful... as password said, start-sniffing!

5. Usung strace against the ELF, show us a connection, against an ipv4.

IP/Port: 34.76.101.29 1337

6. Trying a netcat connection against this ip, show us the flag.

```
root@nexus:~# nc 34.76.101.29 1337
Welcome. Enter (a) to display config data, (b) to erase all data or (c) to disconnect
a
Username: brewtoot password: CTF{4efcc72090af28fd33a2118985541f92e793477f} 166.00 IS-19
2019/05/09 00:00:00 Swath 640km Revisit capacity twice daily, anywhere Resolution panc
hromatic: 30cm multispectral: 1.2m Daily acquisition capacity: 220,000km² Remaining
config data written to: https://docs.google.com/document/d/14eYPluD_pi3824GAFanS29tWdTcKxP
XUxx7e303-3E
```



Flag: CTF{4efcc72090af28fd33a2118985541f92e793477f}