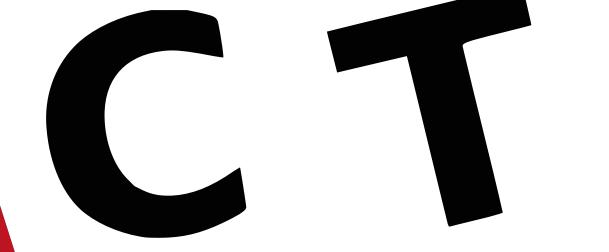


Go waste your weekends

Created by Martin



```
pwn.context.arch = "amd64"
pwn.context.os = "linux"
SHELLCODE = pwn.shellcraft.amd64.linux.echo('Test') + pwn.shellcraft
EXPLOIT = 0x45*b"\x90" + pwn.asm(SHELLCODE, arch="amd64", os="linux"
PROGRAM = b""
length = 20 + 16
for i in EXPLOIT:
   PROGRAM += i*b'+' + b'>'
   if i == 1:
        length += 5
    elif i > 1:
       length += 6
      ngth+= 13
       0x8000 - length) > 0x40:
        RAM += b"<>"
         h += 2*13
           b".["
             9 - length) + 7 -1
               F+0x10)*b"<"
                 host", 1337) as conn:
                  (b"Brainf*ck code: ")
                  PROGRAM)
```

ımport pwn



WHAT THE FLAG?

- Competitions about finding and exploit security vulnerabilities
- A way to develop vulnerability research & exploitation skills
- Team based, mostly running for one weekend
- A fun way into the infosec community

WHAT CTF IS NOT

- Illegal
- A way to quickly learn "hacking"
- Using ready-made exploits and automated tools
- Straight forward and super beginner-friendly

WHAT ARE THE CHALLENGES?

- No fixed rules, but common categories
- Really wide range of difficulty levels
- Always new stuff that's why we are here

THE BIG FOUR



THE UNDERDOGS

- Blockchain, Al
- OSINT, Forensic
- Game hacking
- Scripting, competitive programming

A CTF EVENTS LIFECYCLE

- Some CTF team hosts an event
- KITCTF decides to participate
- During the event we collaborate to solve as many challenges as possible
- At the next meeting solutions and interesting challenges get discussed

HOW DO I GET STARTED

- Play CTF
- Read writeups!!! (or watch them if you must)
- Be curious, there is no guide to CTF. Learning is part of the game
- Join the meetings, connect with others

HOW DO I GET GOOD?

- Just start playing & read writeups
- Play for a team (hopefully us)
- Don't get intimidated
- Follow https://kitctf.de/learning/howto

WHAT IS KITCTF?

- CTF team at KIT, founded in 2014
 - Currently #2 in Germany and #29 globally
- Weekly meetings every thursday
 - General exchange about security & non-IT banter
- Irregular competitions during weekends
 - The occasional international competition
- Hosting our own CTF once a year. Last year with over 650 teams

OTHER TEAMS

- ENOFLAG TU Berlin
- FAUST FAU Erlangen
- Platypwnies Hasso-Plattner-Institut
- Sauercloud German merger team
- Flagbot / Polyglots ETH / EPFL
- Organizers Swiss merger team
- Kalmarunionen Nordic merger

CTFTIME •

