

A decorative graphic on the left side of the slide consisting of two overlapping parallelograms. The front one is blue and the back one is a light green. They are positioned diagonally, with the blue one partially covering the green one.

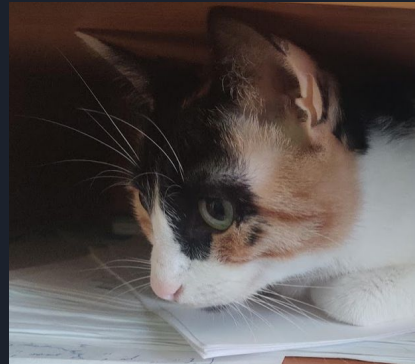
Intro to Forensics

UNbreakable 2021 - Bootcamp



yakuhito@presentation:~# whoami

- High School Student (11th grade @ CNMV)
- CEH, OSCP, OSCE, OSWE
- #TeamRomania (ECSC 2019)
- CTF Player @ HTsP + CodWer
- X-MAS CTF/GTF org
- blog.kuhi.to
- PCO (proud cat owner)





Talk Outline

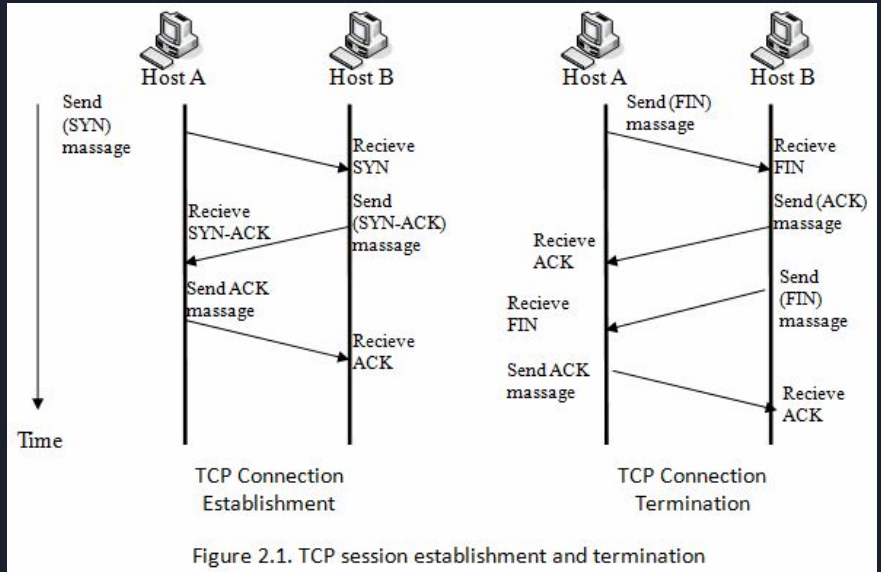
- Part 1 - Network Forensics
 - The boring stuff (theory)
 - zanger (UNR1), not-clear(UNR2), The Cat(X-MAS 2020)
- Q&A
- Part 2 - Memory Forensics
 - Volatility (+ challs)

The boring stuff (theory)



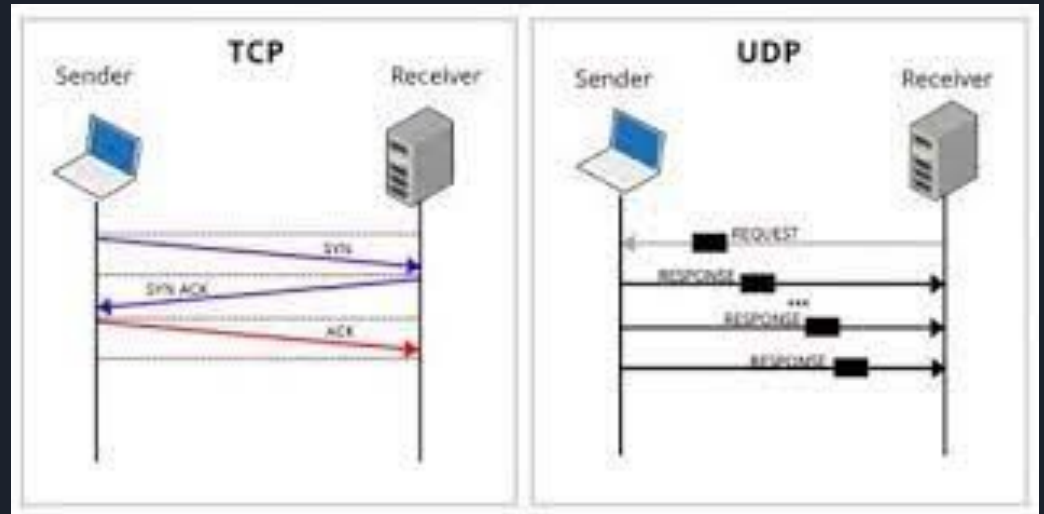
TCP

- Transmission Control Protocol
- Follow TCP Stream
- Flags?
- Ports!



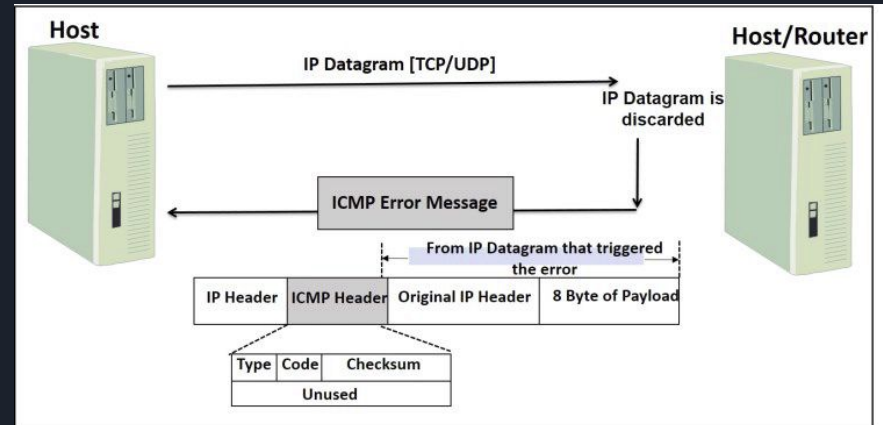
UDP

- User Datagram Protocol
- Follow UDP Stream
- Ports!



ICMP

- Internet Control Message Protocol
- “ICMP messages are typically used for diagnostic or control purposes or generated in response to errors in IP operations” - Wikipedia
- TTL
- Data field!





DNS

- Domain Name System
- It's always DNS!
- Subdomains
- TXT records

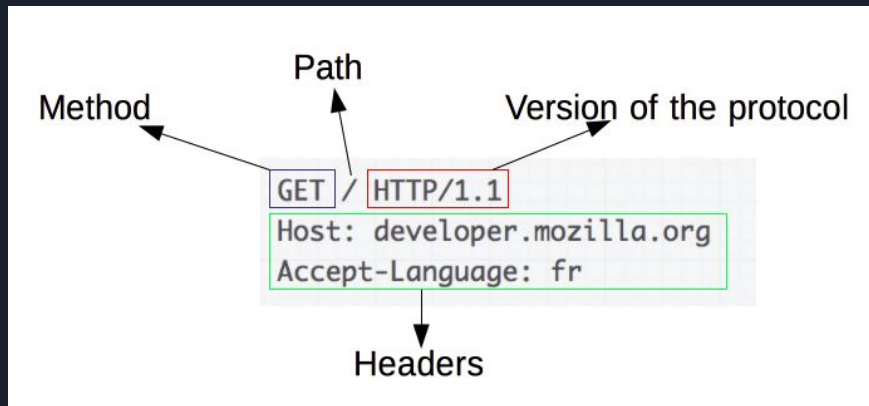
"I'll tell you a DNS joke but
be advised, it could take
up to 24 hours for
everyone to get it."

@nicolaT #sysadmin #dnsadmin #funny #IT

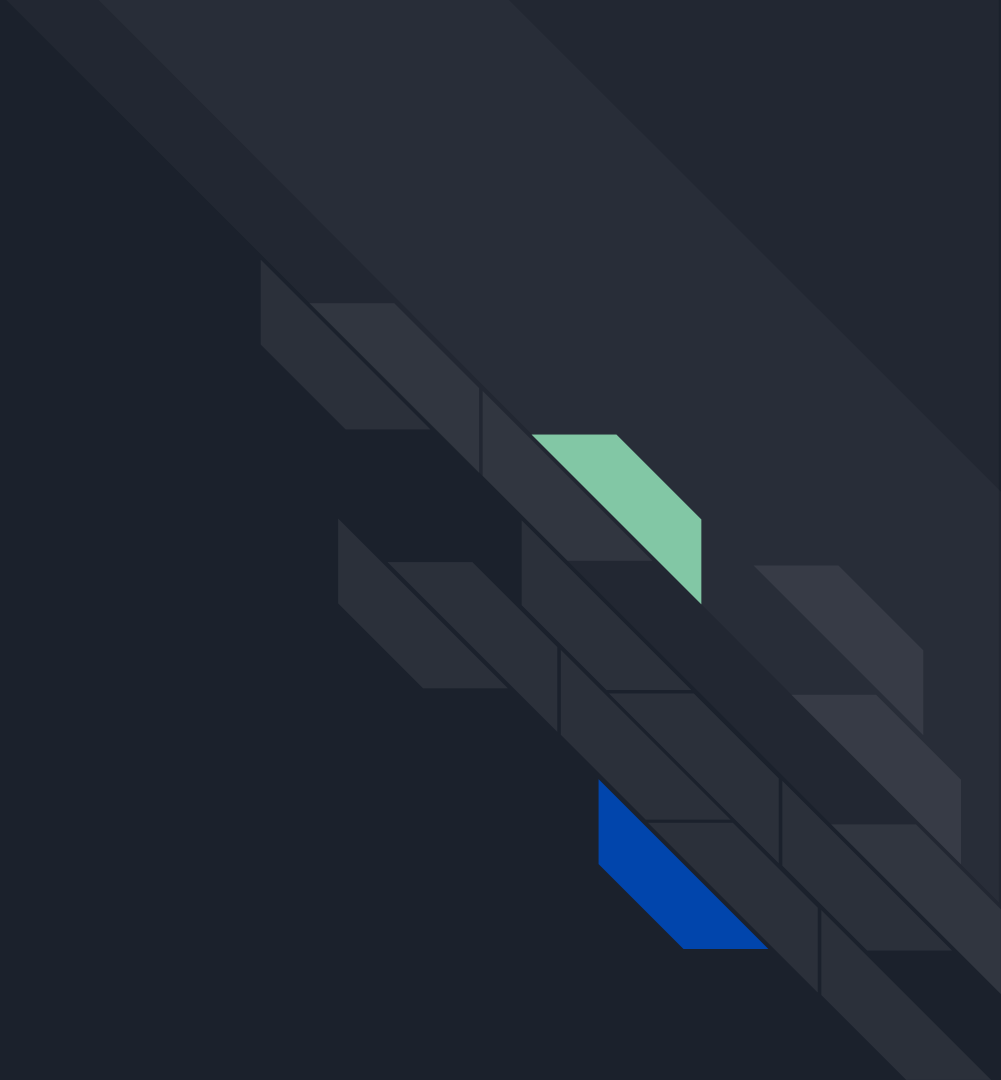


HTTP/HTTPS

- Hypertext Transfer Protocol
- http.cat
- Powers the web
- HTTPS can be decrypted given a debug secrets file (session keys)
- Headers
- Data



zanger



not-clear



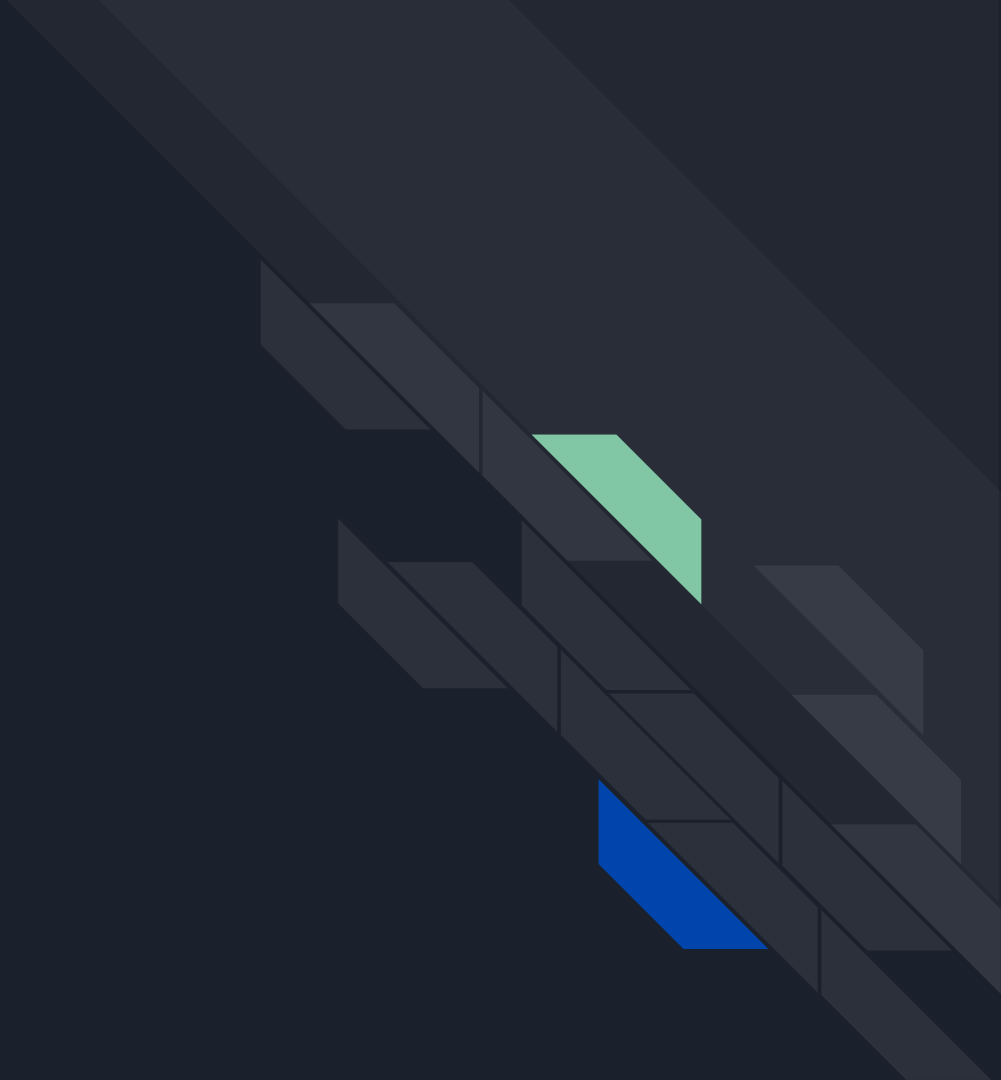
The Cat



Q&A



Volatility





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