NTP Amplification Attack

Weapon of mass destruction

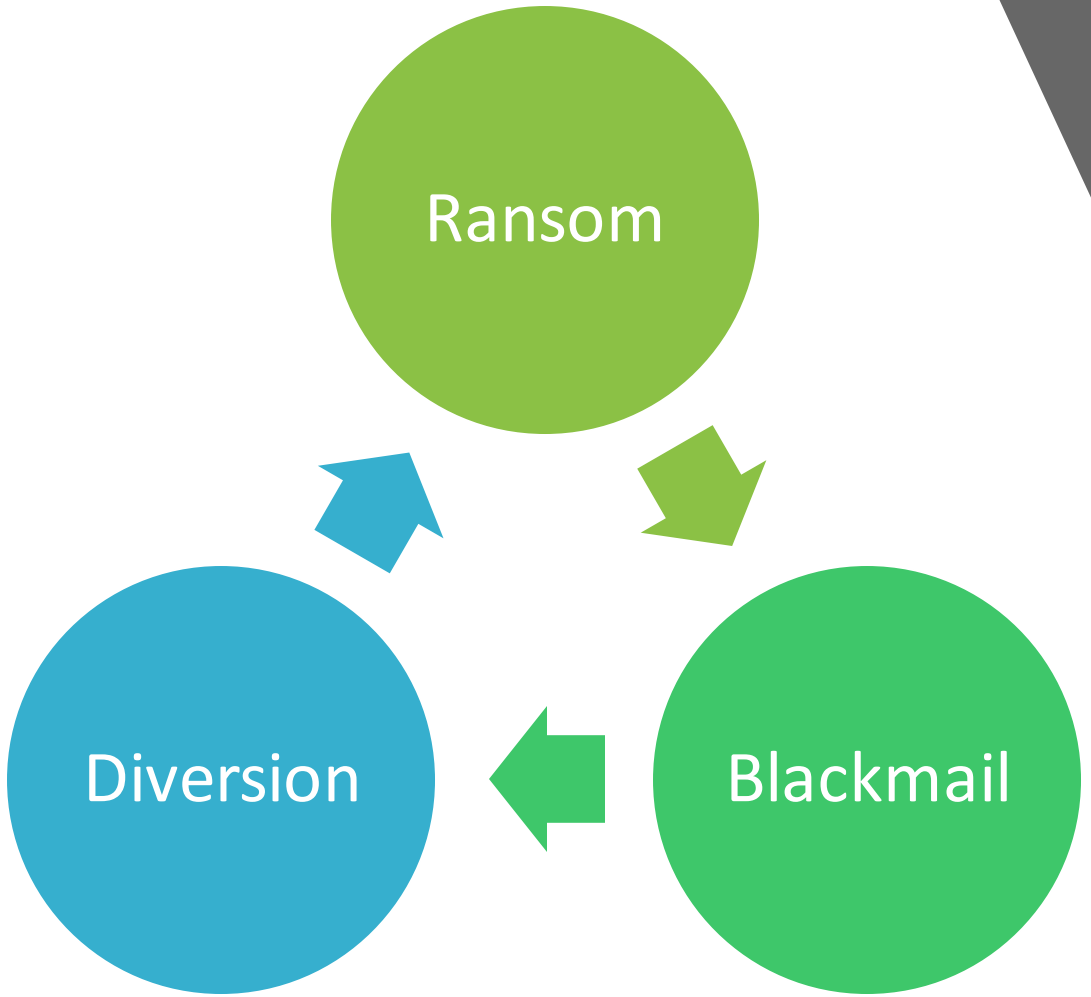
Agenda

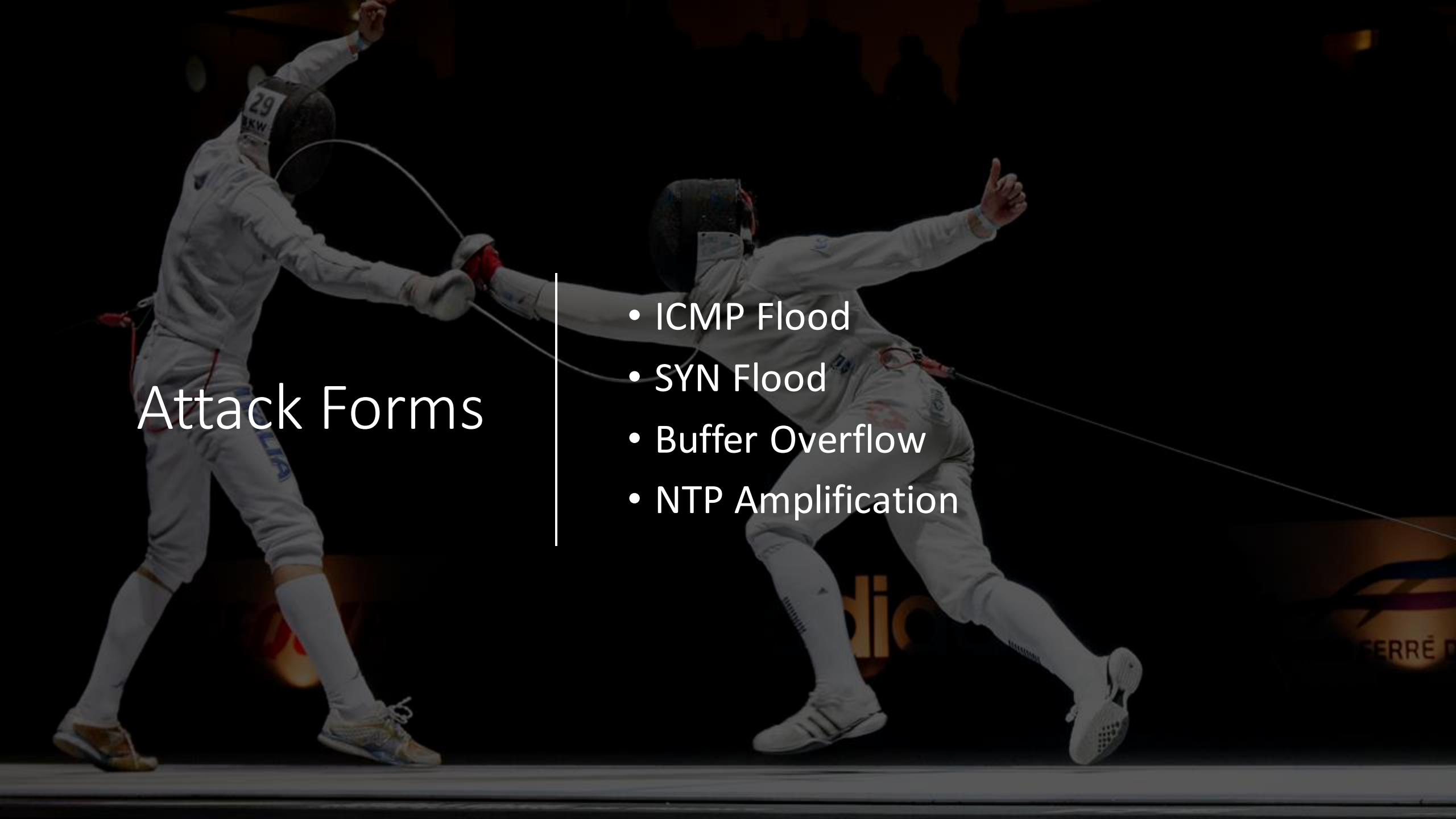
- DoS, oldest trick in the book.
- Attack Forms
- NTP Protocol
- NTP Architecture
- IP Spoofing
- Amplified DDoS
- Questions

DoS, oldest trick in the book.

An attack meant to shut down a system or render it inaccessible

Why?

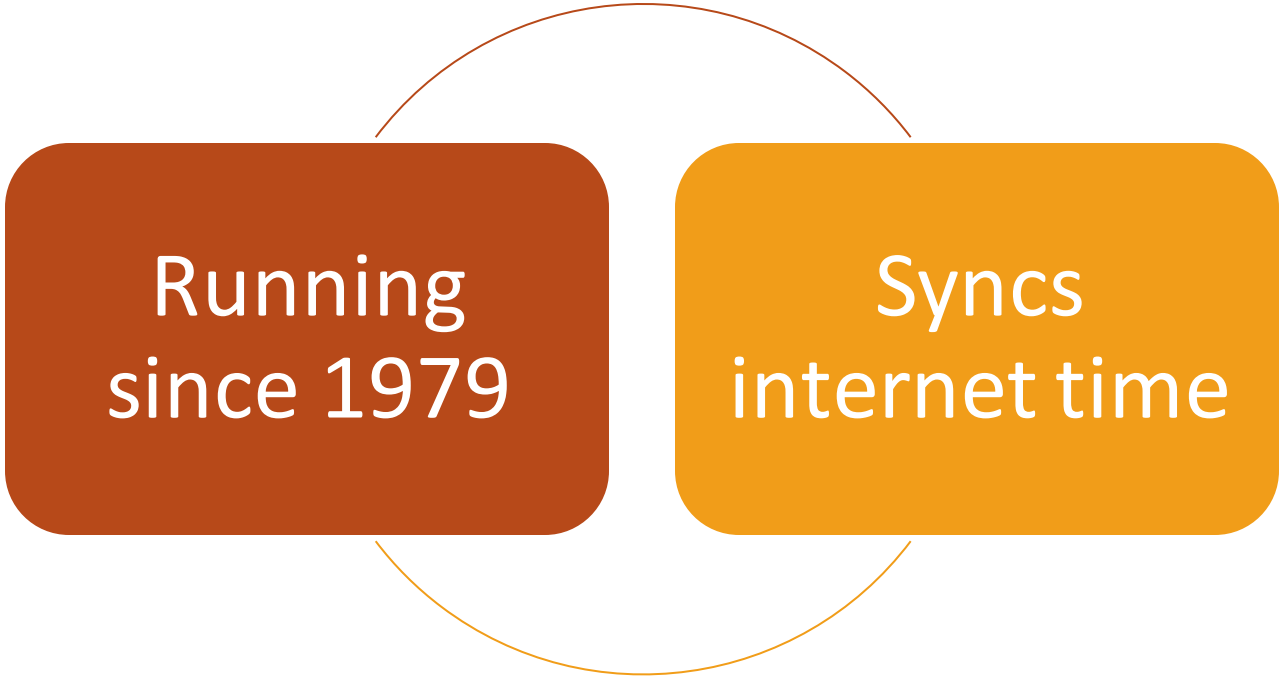

Ransom
Blackmail
Diversion

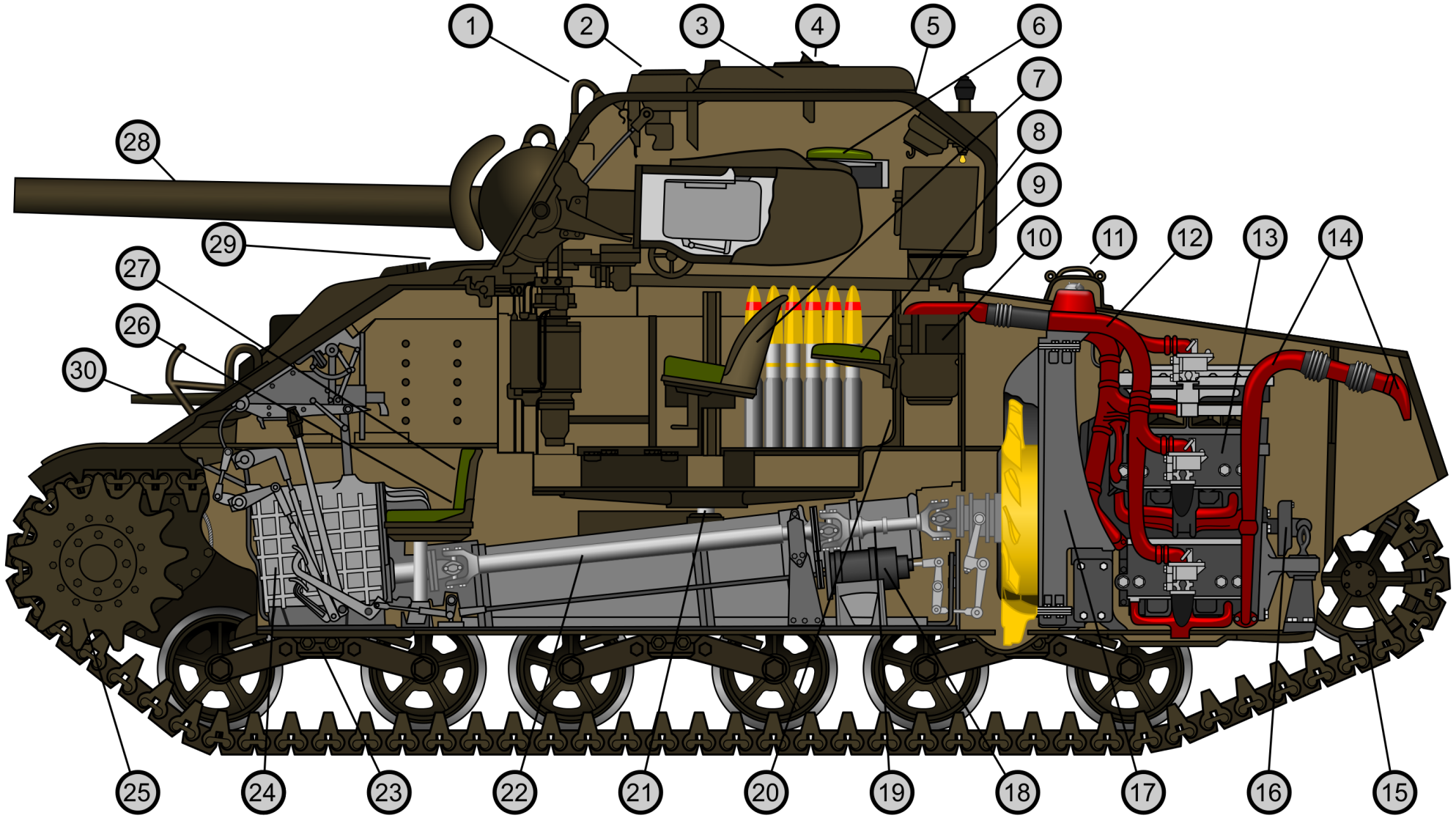


Attack Forms

- ICMP Flood
- SYN Flood
- Buffer Overflow
- NTP Amplification

NTP Protocol

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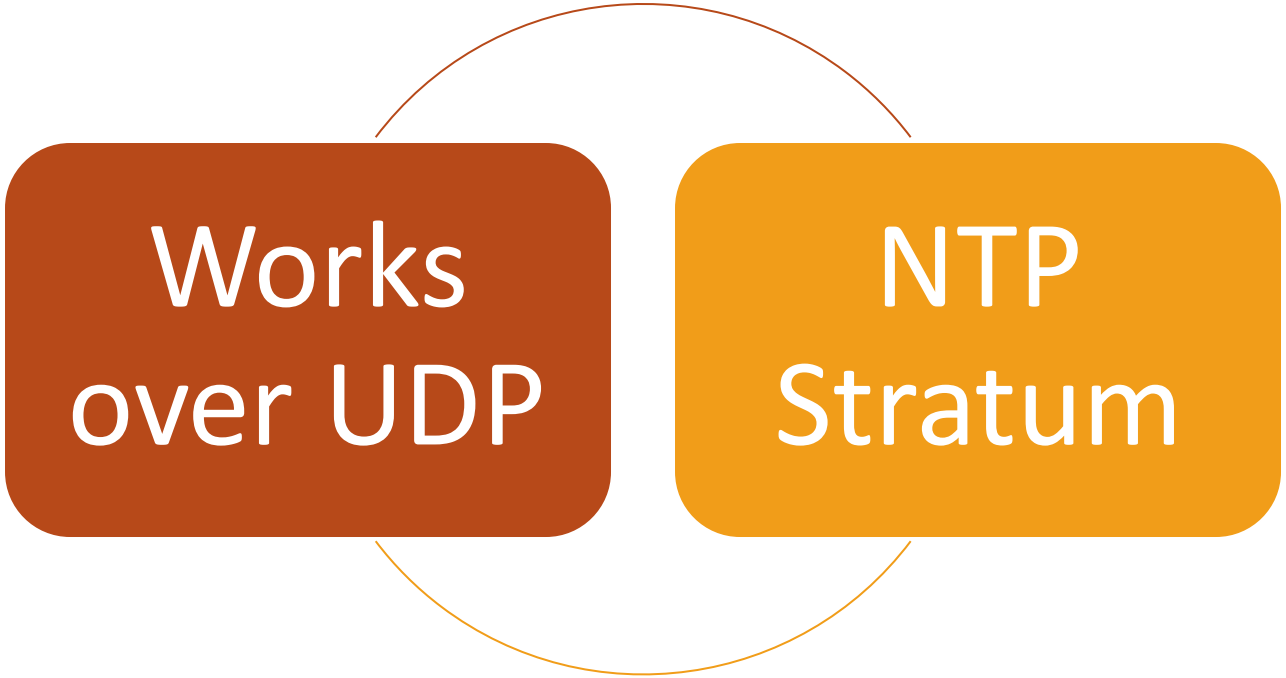
NTP Architecture



NTP "*is*" Time Infrastructure

Amplified DDoS

NTP Attack

- CVE-2013-5211
- Past 600 IP
- 206 Times Response

Can I do anything about it?

not much .-.

Questions ^.^

Thank You

May the force be with you!