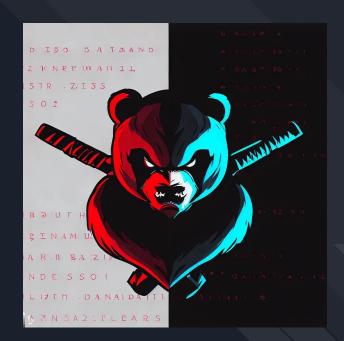


Mapping and Analyzing exposed devices

By Brutal Panda

Whoami

- Cyber security enthusiastic
- CTF and emulations
- Gamer



TOC

Introduction awareness and why What is out there

Methodology

Technologies and their pro

Vulnerabilities

History and Advancement

Intro

As Security Researchers we are curious about everything happening around us starting from devices we use daily to new technology booming around us any tech gadget that .

Why?

Mapping and analyzing exposed devices is a critical part of cybersecurity research because it allows researchers to identify and understand the attack surface of the internet. This information can be used to develop new security controls and techniques, and to prioritize remediation efforts.

(OSINT, Malware, Threat Intel & Hunt)

Methodology

Internet Based (TCP/IP)

- Shodan io
- Censys.com
- FOFA.info

Other devices

• Wigle





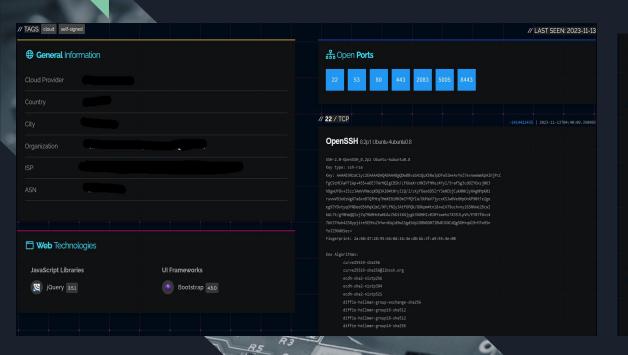
Red Team

- Searching domain names
- Searching vulnerability
- OSINT

Malicious Actors

- Cyber Attack Campaigns
- C2 servers hosting

As a red teamer, you can passively scan for open ports and vulnerabilities on a target host and its subdomains without interacting with the host itself.



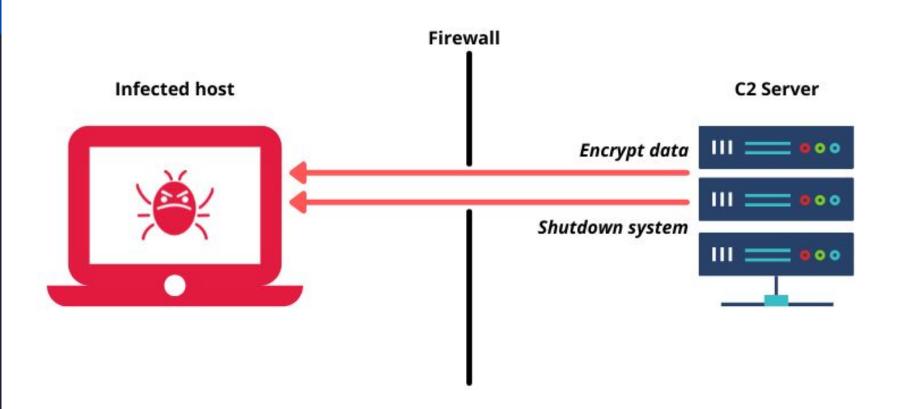


Hunting C2 servers

C2 is a command-and-control server that allows malware to communicate and receive commands. We can use tools like Shodan to hunt down malware.



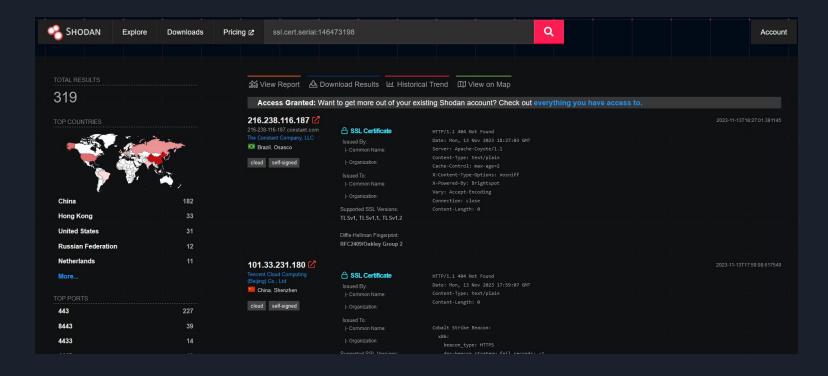




- Threat Hunting
- Threat Intel
- Hunting APT (Advanced Threat groups)



We can use shodan to hunt C2 servers such as cobalt strike framework through different mechanisms we can see one method as following for more u can read <u>this</u>. You can see how powerful shodan can used for threat hunting process.



Wigle

- Android
- Bluetooth
- Cars (BUS)
- War driving

An attacker can use Wigle to impersonate a Wi-Fi network in order to trick a user into connecting to it and launching an evil twin attack or similar attacks.

