THE HACKER TOOL

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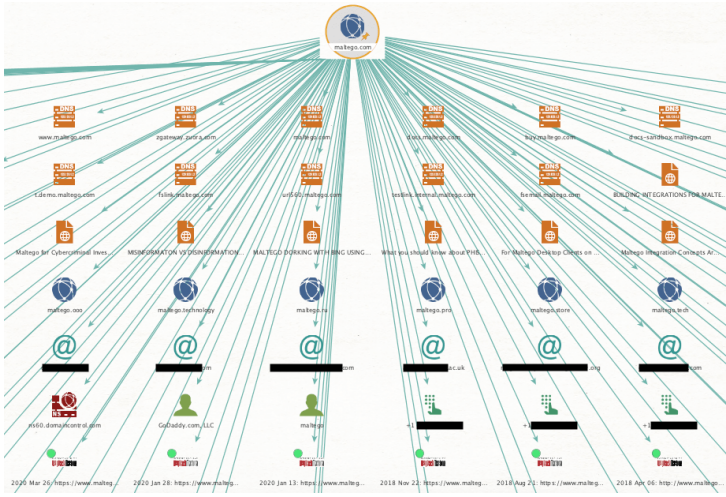
WHAT WE WILL COVER

This is an overview of some of tools that are used by hackers to attack using various means that include:

- Social Engineering
- Network Penetration
- Vulnerabilities scanners
- Wi-Fi
- Physical Security
- Attached Devices
- Phones

SOCIAL ENGINEERING

Maltego -OSINT (open-source intelligence) investigation tool



If you can get a user to click it's Over !!!

Demo

Social Engineering Tool Kit (SET)- SET has various custom attack vectors that enable you to set up a believable attack in no time.

NETWORK PENETRATION

Learning about the network

- Network scanner
  - NMAP
- Demo
  - Masscan
- DNS Tools –
  - Dig
  - Nslookup

Attacking the Network

- Metasploit - a tool for developing and executing exploit code against a remote target machine.

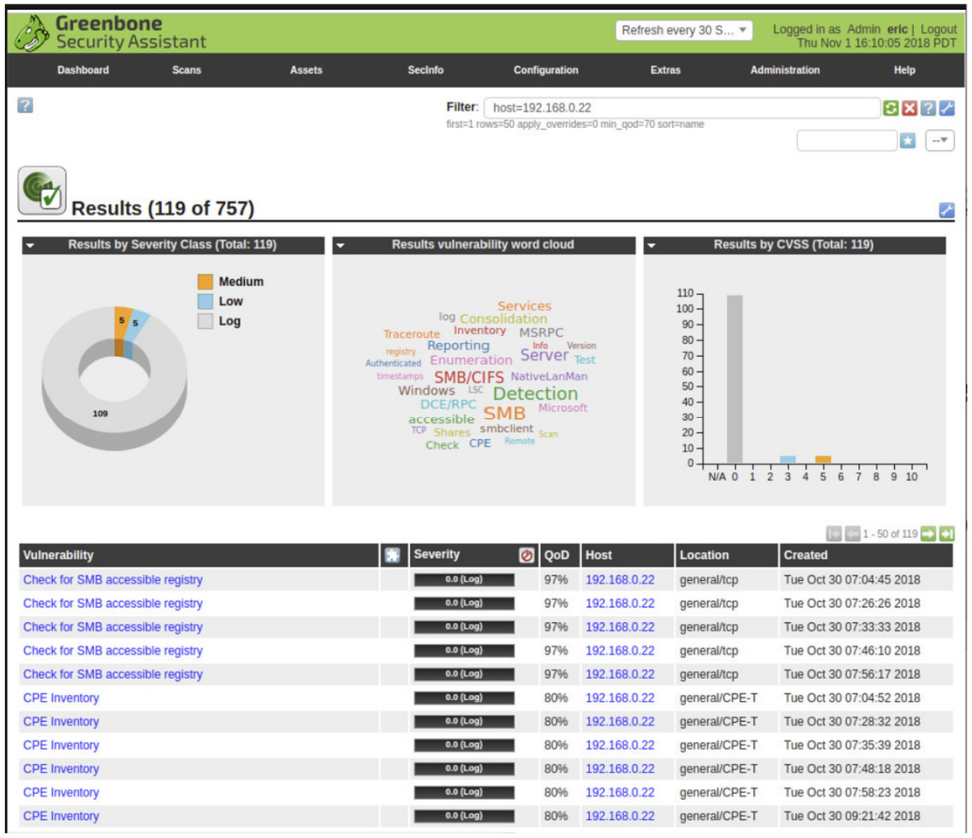
Vulnerabilities Scanners

Nessus

Qualys

OpenVas- Greenbone

Core-Impact



Wi-Fi - WEP/WPA/WPA2

Tools

Aircrack-ng- full suite of tools for sniffing, and cracking WEP/WPA/WPA2

DEMO

Airgeddon – menu driven suite of tools

Vulnerable to offline **dictionary attacks**: a captured handshake can be used to brute-force the password

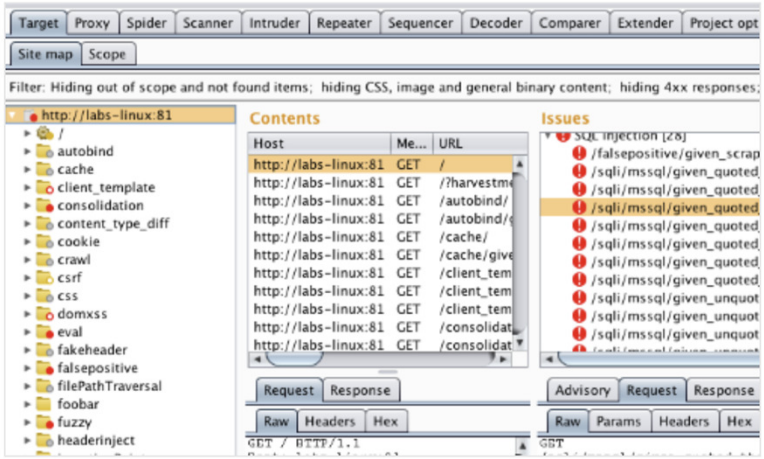
No forward secrecy: can decrypt previously captured traffic after learning the password

Unprotected management frames: can spoof beacons, deauthentication frames, & other non-data frames

WIFI PINEAPPLE

WEB SITES

Burpsuite - Burp Suite is an integrated platform for performing security testing of web applications



WPScan - WordPress security scanner

Skipfish- is an active web application security reconnaissance tool.

PHYSICAL SECURITY

If It can be touch it, you loose…

Cameras – All shapes and sizes

Screen Grab - This covert inline screen grabber sits between HDMI devices - like a computer and monitor, or console and television to quietly capture screenshots

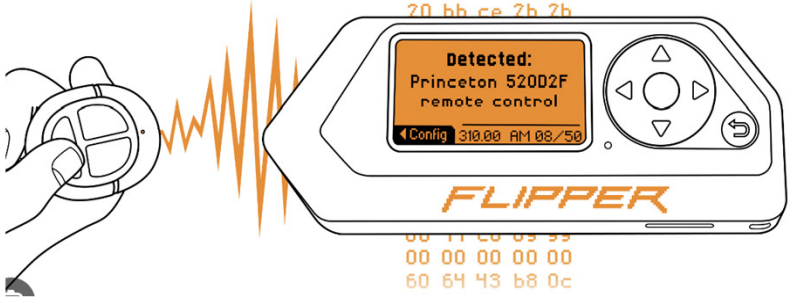
Keyboard Loggers Up to 16gb of storage both wire and wireless

PHYSICAL SECURITY

Card Readers

Icopy-x - Rapidly and easily clone RFID tags

Flipper Zero – RFID, NFC, Garage doors & barriers, Smart sockets & bulbs, IoT sensors & doorbells, and Infrared Transmitter



ATTACHED DEVICES

Rubber Duck type products -computers trust humans. Humans use keyboards. Hence the universal spec — HID, or Human Interface Device. A keyboard presents itself as a HID, and in turn it's inherently trusted as human by the computer.

DEMO

https://ducktoolkit.com/userscripts

LAN Taps –(Terminal Access Point) is a passive device to monitoring the traffic over a Lan connections

PHONES

O.MG / USB Ninja Cables
Looks and functions just like a regular USB cable (both power and data) Emulating keyboard and mouse actions, payloads can be completely customized.

O.MG Cable Tier	Basic	Elite
Keystroke Injection (DuckyScript™)	✓	✓
Mouse Injection	✓	✓
Payload Slots	8	50-200*
Payload Speed	120 keys/sec	890 keys/sec*
Self-Destruct	✓	✓
Geo-Fencing	✓	✓
WiFi Triggers	✓	✓
FullSpeed USB Hardware Keylogger		✓
HIDX StealthLink		✓*
Networked C2		✓*
Extended WiFi range		✓
Stealth-Optimized Power Draw		✓

QR CODES

WE HAVE ONLY TOUCHED THE SURFACE

We could spend days and month on this topic.

Questions

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