

Wireless Capture The Flag

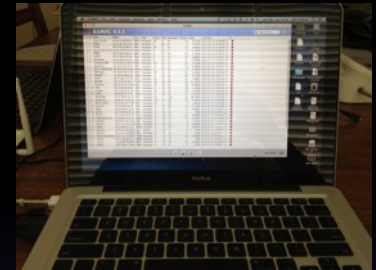
“How To WCTF”

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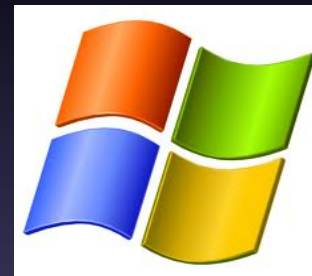
Platform Selection

- Internet access
 - SmartPhone with USB tether (wifi/BT could be an issue)
- Laptop (MAC or PC)
 - Multi core processor
 - 8 GB ram or more* (16Gb optimal)
 - Hard drive space for all necessary apps and VMs
 - SSD is optimal
 - Screen with space for multiple terminals
 - Use spaces
 - Use desktops
- External Radios/antennas
 - Internal radios might not give the flexibility/capability
 - Built in antennas may not give flexibility needed
- Power-Supply
 - Enough outlets to power all of your gear
 - Surge strip or splitter



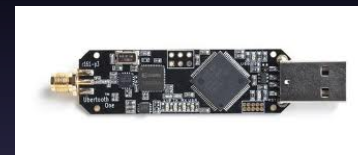
WCTF Distributions

- OS X with Fusion
- Other Hosts with VM
- Windows (bare metal or VM)
- Pentoo (bare metal or VM)
 - Gentoo with Pentoo Overlay
- Kali (bare metal or VM)



Helpful Radios

- Alpha cards (B) (G) or (N) or (ABGN)
- Rokland N3 (BGN)
- Rosewill N600 UBE (ABGN)
- SR-71 (ABG)
- AirPcapNx (ABGN)
- WiSpy DBX (2.4 and 5Ghz)
- TP-Link TL-WN722N (BGN)
- EnGenius EUB 1200AC (ABGNAC)
- Ubertooth One (many uses)
- HackRF Jawbreaker (SDR)



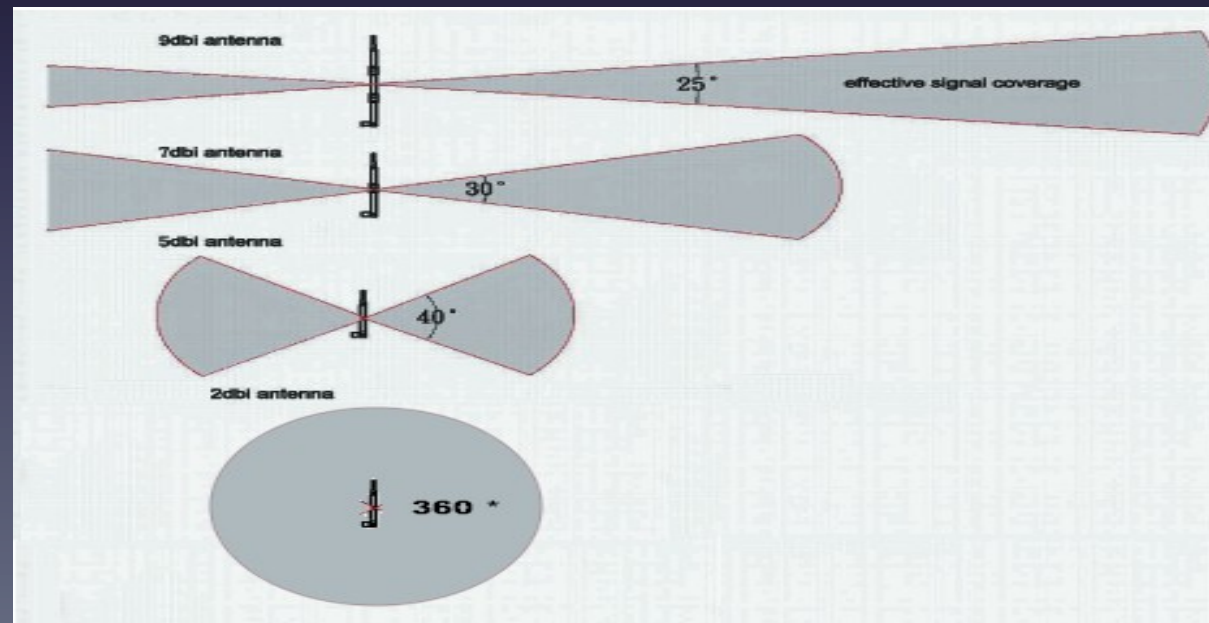
Antennas

- Omnidirectional

- 2, 5, 7 dBi

- Directional

- Panel
 - Yagi



WCTF Tools

- Aircrack-NG
- Kismet-NG
- Airodump
- Wireshark
- TCPDump
- Nmap
- PGP
- Reaver
- Pyrit
- Wireshark
- OCLHashcat
- Wifite
- Fern-wifi-cracker
- Airdrop
- gqrx
- dsd
- multimon-ng
- smartnet-scanner
- gnuradi

**Clues, Hints, and
Challenges, available on
Jan 17th 2014 at ShmooCon**

“Revenge of Cybertron V”



Questions



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