WiFi

EDUCATIONAL PURPOSES ONLY

15 WIFI PENTESTING TOOLS

ASSESS. ANALYZE. AUDIT. SECURE.

DAILY RED TEAM
EST. 2021

INTELLIGENCE BRIEF
Wireless Security Edition
Updated for 2025–2026

Kali Linux • Parrot OS
WPA2 • WPA3 • WPS

AUTHORIZED USE ONLY

ACTIVE TOOLS – MAINTAINED & CURRENT

01
AIRCRACK-NG
Industry-standard suite for WiFi auditing. Includes tools for capture, injection, cracking and analysis.
PACKET ANALYSIS

02
KISMET
Passive wireless network detector and IDS. Supports multi-band capture, plugin system and drone mode.
PASSIVE RECON

03
REAVER
Brute-forces WPS PINs to recover WPA/WPA2 passphrases. Supports Pixie Dust attacks.
WPS BRUTEFORCE

04
AIREPLAY-NG
Packet injection engine for deauth, ARP replay, fake auth and interactive packet manipulation.
INJECTION

05
WIFITE2
Automates wireless audits. WPA/WPA2 handshake capture, WPS attacks, and basic credential testing.
AUTOMATED

06
BETTERCAP
Network attack and monitoring framework. Handles WiFi, Bluetooth, MITM, phishing and credential harvesting.
MITM / SNIFFING

07
FLUXION
Social-engineering framework for rogue APs and credential harvesting via WiFi captive portals.
ROGUE AP

08
WIRESHARK
Network protocol analyzer. Decodes 802.11 frames and reconstructs encrypted sessions post-capture.
PROTOCOL ANALYSIS

09
HASHCAT
Advanced password recovery tool. Cracks WPA/WPA2 PMKID and handshake hashes at blazing speed.
HASH CRACKING

10
KALI LINUX
The premier penetration testing distribution with wireless tools pre-installed and kept up to date.
LIVE OS

11
WPSPIXIEDUST
Offline tool to brute-force WPS PINs using the Pixie Dust attack with advanced optimizations.
WPS ATTACK

12
AIRDGEDON
Multi-platform bash script to audit WiFi networks. Automates attacks and handshake captures.
AUTOMATION

13
HACKRF ONE
Software Defined Radio (SDR) platform for RF analysis, signal injection and advanced research.
RF RESEARCH

14
WIFI-PUMPKIN
Rogue AP framework for security awareness and auditing captive portals and WiFi clients.
ROGUE AP / AUDIT

15
FLIPPER ZERO
Multi-tool for hardware hacking and wireless protocol testing in physical assessments.
HARDWARE TOOL

TACTICS • METHODOLOGY • OPSEC

COMMON ATTACK VECTORS
- 4-Way Handshake Capture + Offline Cracking
- PMKID Clientless Attack (WPA2/WPA3)
- Deauthentication / Disassociation Flood
- Evil Twin & Captive Portal Phishing
- WPS PIN Brute-Force & Pixie Dust
- ARP Cache Poisoning / MITM
- Downgrade Attacks (WPA3 → WPA2)

ASSESSMENT METHODOLOGY
1. Passive Recon – kismet, airodump-ng
2. Target Selection – channel, BSSID, clients
3. Handshake / PMKID Capture – hcxdumptool
4. Offline Cracking – hashcat + rulesets
5. Reporting & Remediation Guidance

OPSEC CHECKLIST
- ✓ Enable Monitor Mode before capture
- ✓ Randomize MAC address before engagement
- ✓ Use VPN / Tor for external lookups
- ✓ Test only on networks you own or have written authorization
- ✓ Maintain detailed, time-stamped logs
- ✓ Verify local legal jurisdiction
- ✓ Always follow responsible disclosure

EDUCATE ASSESS ANALYZE DEFEND

DAILY RED TEAM
OFFENSIVE SECURITY COMMUNITY
https://dailyredteam.io

Intelligence is power.
Responsibility is everything.
All tools for authorized, ethical penetration testing only.

STAY LEGAL. STAY ETHICAL. PROTECT THE DIGITAL WORLD.