

# Kismet Documentation

## Introduction

Kismet is a wireless network detector, sniffer, and intrusion detection system. It supports a wide range of wireless hardware and works with Wi-Fi, Bluetooth, SDR (Software Defined Radio), and other wireless protocols. Kismet is an essential tool for network monitoring and security auditing.

## Features

- Real-time packet capture and network discovery.
- Detection of hidden networks and non-beaconing devices.
- Alerts for suspicious network activity and intrusion detection.
- Support for multiple data sources including drones and remote sensors.
- Web-based interface for data visualization and analysis.
- Integration with GPS for geolocation of access points.

## Installation

Kismet is available for Linux and macOS. It can be installed from source or via package managers.

Debian/Ubuntu:

```
sudo apt update
```

```
sudo apt install kismet
```

From source:

```
1. git clone https://www.kismetwireless.net/git/kismet.git
```

```
2. cd kismet
```

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3. ./configure
4. make
5. sudo make install

Ensure you have the necessary dependencies installed, including libpcap and ncurses.

### Usage

To start Kismet, run:

```
sudo kismet
```

Kismet uses a web interface accessible via <http://localhost:2501> by default. The first time it runs, it will prompt you to configure sources, which are the interfaces (like wlan0) to capture data from.

Useful Options:

- no-ncurses : Disable terminal interface
- daemonize : Run in the background
- log-prefix : Set prefix for saved log files

Log files are stored in the Kismet log directory and include PCAP, alerts, GPS data, and more.

### Disclaimer

Kismet should only be used on networks and environments you have explicit permission to monitor. Unauthorized interception of wireless traffic is illegal and unethical. Use Kismet responsibly and within legal boundaries.

### Conclusion

Kismet is a powerful and flexible tool for wireless network detection and security analysis. With support for a wide array of wireless protocols and devices, it is ideal for network administrators, penetration testers, and wireless enthusiasts.