

Introduction to Kali linux

Welcome to an introduction to Kali Linux, the industry-standard operating system for penetration testing and digital forensics. This presentation will cover its core features and essential commands to help you get started on your cybersecurity journey.

Maintained by Offensive Security, Kali Linux is widely adopted by cybersecurity professionals globally, offering a comprehensive toolkit for various security tasks.



Debian-Based OS

A robust Linux distribution specifically designed for cybersecurity operations.



Ethical Hacking Focus

The go-to platform for penetration testing, digital forensics, and vulnerability assessment.

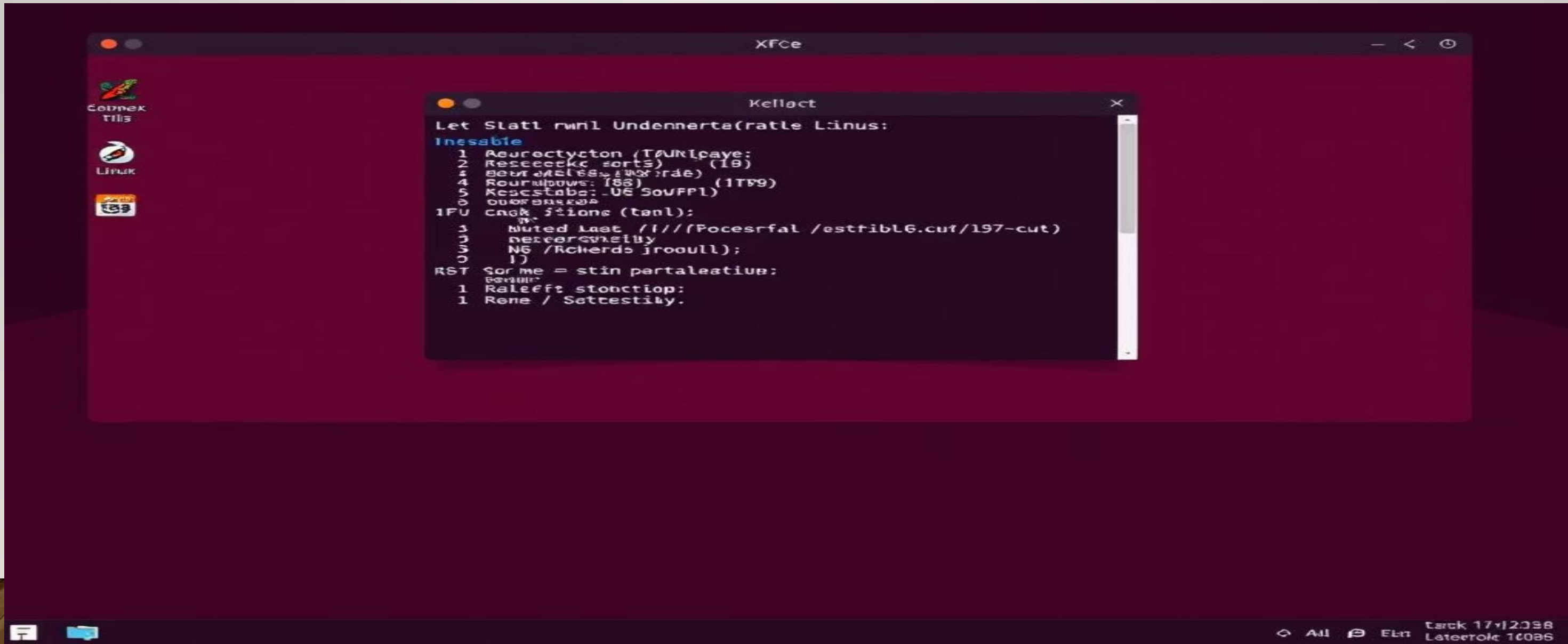


Preloaded Tools

Hundreds of specialised security tools are readily available for immediate use.

Kali Linux Desktop

Upon login, users are greeted by the Kali Desktop environment, typically XFCE, providing a user-friendly graphical interface.



These fundamental commands are essential for efficient navigation within the Kali Linux file system.



``pwd`` - Current Directory

Displays your present working directory path, such as `/home/kali`.



``ls`` - List Contents

Lists files and subdirectories within your current location.



``cd`` - Change Directory

Navigates to a specified directory; e.g., `cd /usr/share`.



``mkdir`` - Create Directory

Used to create a new folder; for instance, `mkdir testfolder`.

These commands provide essential control over file manipulation and system administration, crucial for effective penetration testing and digital forensics.

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File Operations

- **c p** — Copies files or directories (e.g., `cp file.txt backup.txt`).
- **m v** — Moves or renames files (e.g., `mv oldname.txt newname.txt`).
- **r m** — Deletes files or directories (e.g., `rm file.txt` or `rm -r folder`).

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System Management

- **whoam i** — Displays the current logged-in username.
- **sudo su** — Switches to the root user for administrative tasks.

Your Journey into Ethical Hacking



Master the Terminal

Regular practice builds confidence and boosts productivity in Kali Linux.



Explore Further

Investigate commands like ``grep``, ``ifconfig``, and ``apt`` for advanced networking and package management.



Start Your Journey

Kali Linux is your essential gateway to the world of ethical hacking.

