Kali Linux Study Plan for Developers & Ethical Hackers

Week 1: Mastering the Basics of Linux & Kali

- Learn file system: /, /etc, /usr, /home

- Basic commands: cd, ls, mkdir, rm, cp, mv, nano, cat

- Permissions: chmod, chown, sudo

- Package management: apt, dpkg

- Resources: LinuxCommand.org, YouTube Kali tutorials

Week 2: Networking & System Monitoring

- Network tools: ifconfig, ip a, ping, traceroute

- Scanning: nmap

- Monitoring: htop, netstat, ss, wireshark

- Practice scanning your router

- Resources: HackTheBox Academy, nmap.org/book

Week 3-4: Bash Scripting & Automation

- Variables, loops, conditionals, functions in Bash

- Automate tasks with nmap, whois, dig

- Write scripts and schedule with cron

- Resources: freeCodeCamp, YouTube bash tutorials

Week 5-6: Introduction to Ethical Hacking

- Tools: nmap, metasploit, hydra, burpsuite, nikto, gobuster

- Practice on TryHackMe and HackTheBox

- Complete beginner rooms and labs

- Document findings in reports

Bonus: Developer Path on Kali

- Install VSCode: sudo apt install code

- Learn Python, Git, and automation

- Use GitHub CLI, virtualenv for projects

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- Build tools to automate scans and reports

Pro Tips

- Only hack in legal environments

- Document everything you learn

- Practice daily

- Join Discords or subreddits like r/HowToHack