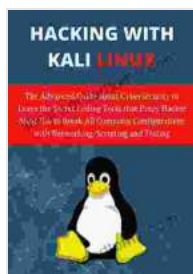# Hacking With Kali Linux: The Ultimate Guide to Penetration Testing and Ethical Hacking

Kali Linux is a powerful operating system designed for penetration testing and ethical hacking. It is based on Debian Linux and includes a wide range of tools for security professionals. This book provides comprehensive guidance on using Kali Linux, from basic concepts to advanced techniques.

This book is written for security professionals who want to learn how to use Kali Linux for penetration testing and ethical hacking. It is also a valuable resource for students who are interested in learning about the field of cybersecurity.

Hacking with Kali Linux: The Advanced Guide about CyberSecurity to Learn the Secret Coding Tools that Every Hacker Must Use to Break All Computer Configurations with Networking, Scripting and Testin

★★★★★ 5 out of 5

Language	: English
File size	: 998 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
Print length	: 74 pages
Lending	: Enabled

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1. to Kali Linux

to Kali Linux

Kali Linux is a Debian-based Linux distribution designed for penetration testing and ethical hacking. It includes a wide range of tools for security professionals, including network reconnaissance, vulnerability assessment, exploitation, and post-exploitation tools.

Kali Linux is a powerful tool, but it is important to use it responsibly. Penetration testing and ethical hacking can be used to identify and fix security vulnerabilities, but they can also be used for malicious purposes.

Getting Started with Kali Linux

To get started with Kali Linux, you will need a computer with at least 2GB of RAM and 20GB of hard drive space. You will also need a USB drive or DVD-ROM drive.

You can download Kali Linux from the official website: https://www.kali.org/

Once you have downloaded Kali Linux, you can install it on your computer using the following steps:

1. Create a bootable USB drive or DVD-ROM using the Kali Linux ISO file.

2. Boot your computer from the USB drive or DVD-ROM.

3. Follow the on-screen instructions to install Kali Linux.

Network Reconnaissance

Network reconnaissance is the process of gathering information about a target network. This information can be used to identify potential vulnerabilities and plan an attack.

Kali Linux includes a number of tools for network reconnaissance, including:

- Nmap: a port scanner that can identify open ports and services on a target host.

- Wireshark: a network protocol analyzer that can capture and analyze network traffic.

- Metasploit: a penetration testing framework that includes a variety of tools for exploitation.

Vulnerability Assessment

Vulnerability assessment is the process of identifying vulnerabilities in a target system. This information can be used to prioritize patching efforts and mitigate security risks.

Kali Linux includes a number of tools for vulnerability assessment, including:

- Nessus: a commercial vulnerability scanner that can identify a wide range of vulnerabilities.

- OpenVAS: an open source vulnerability scanner that can identify a wide range of vulnerabilities.

- Nikto: a web server scanner that can identify vulnerabilities in web applications.
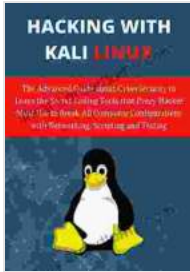
Exploitation

Exploitation is the process of using a vulnerability to gain unauthorized access to a target system. Kali Linux includes a number of tools for exploitation, including:

- Metasploit: a penetration testing framework that includes a variety of tools for exploitation.

- Armitage: a graphical user interface for Metasploit that makes it easier to exploit vulnerabilities.

- Social engineering tools: tools that can be used to trick users into giving up sensitive information.

Post-Exploitation

Post-exploitation is the process of maintaining access to a target system after it has been compromised. This can involve installing backdoors, stealing data, or
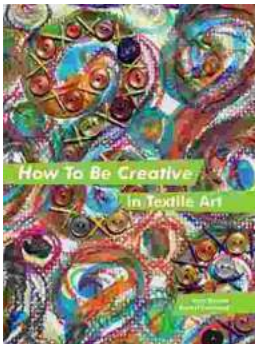
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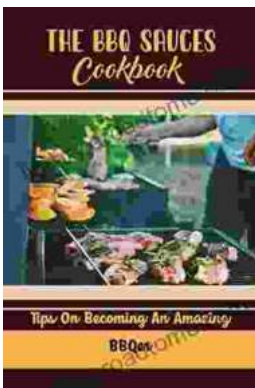⭐⭐⭐⭐⭐ 5 out of 5

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