



Joseph Muniz  
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## SNEAK PEEK

video

# Digital Forensics And Cyber Crime With Kali Linux

**Nour Moustafa**



## **Digital Forensics And Cyber Crime With Kali Linux:**

Digital Forensics and Cyber Crime with Kali Linux Fundamentals Joseph Lakhani, 2017 6 Hours of Expert Video Instruction Overview Why is digital forensics so important In today's digital world every organization is bound to be attacked and likely breached by a cyber adversary Forensics can be used to determine if and how a breach occurred and also how to properly respond Digital Forensics and Cyber Crime with Kali Linux Fundamentals LiveLessons introduces you to the world of digital forensics and acts as a primer for your future forensic work This is a fundamentals course with a focus on the average network engineer so you don't need to be an IT expert to follow most of the concepts Learn when a breach occurs what actions you can take and how to learn from the breach to prevent future attacks This video course focuses on using open source technology available in the Kali Linux framework along with other tools to simplify forensic tasks You will master the basics of digital forensics learn best practices and explore legal and forensic service concepts About the Instructors Joseph Muniz is an architect at Cisco Systems and security researcher He has extensive experience in designing security solutions and architectures for the top Fortune 500 corporations and the U S government Examples of Joseph's research is his RSA talk titled Social Media Deception quoted by many sources found by searching Emily Williams Social Engineering as well as articles in PenTest Magazine regarding various security topics Joseph runs the securityblogger website a popular resource for security and product implementation He is the author and contributor of several publications including titles on building security operations centers SOC's CCNA cyber ops certification web penetration testing and hacking with raspberry pi Follow Joseph at [www.thesecurityblogger.com](http://www.thesecurityblogger.com) and SecureBlogger Aamir Lakhani is a leading senior security strategist He is responsible for providing IT security solutions to major enterprises and government organizations Mr Lakhani creates technical security strategies and leads security implementation projects for Fortune 500 companies Aamir has designed offensive counter defense measures for the Department of Defense and national intelligence agencies He has also assisted organizations with safeguarding IT and physical environments from attacks perpetrated by underground cybercriminal groups Mr Lakhani is considered an industry leader for creating detailed security architectures within complex computing

**Digital Forensics and Cyber Crime with Kali Linux Fundamentals** Joseph Muniz, 2018 Digital Forensics and Cyber Crime with Kali Linux Fundamentals LiveLessons introduces you to the world of digital forensics and acts as a primer for your future forensic work This is a fundamentals course with a focus on the average network engineer so you don't need to be an IT expert to follow most of the concepts Learn when a breach occurs what actions you can take and how to learn from the breach to prevent future attacks This video course focuses on using open source technology available in the Kali Linux framework along with other tools to simplify forensic tasks You will master the basics of digital forensics learn best practices and explore legal and forensic service concepts Resource description page *Digital Forensics with Kali Linux* Shiva V. N. Parasram, 2020-04-17 Take your forensic abilities and investigation skills to the next level using powerful tools that cater to

all aspects of digital forensic investigations right from hashing to reporting Key Features Perform evidence acquisition preservation and analysis using a variety of Kali Linux tools Use PcapXray to perform timeline analysis of malware and network activity Implement the concept of cryptographic hashing and imaging using Kali Linux Book Description Kali Linux is a Linux based distribution that is widely used for penetration testing and digital forensics It has a wide range of tools to help for digital forensics investigations and incident response mechanisms This updated second edition of Digital Forensics with Kali Linux covers the latest version of Kali Linux and The Sleuth Kit You will get to grips with modern techniques for analysis extraction and reporting using advanced tools such as FTK Imager hex editor and Axiom Updated to cover digital forensics basics and advancements in the world of modern forensics this book will also delve into the domain of operating systems Progressing through the chapters you will explore various formats for file storage including secret hiding places unseen by the end user or even the operating system The book will also show you how to create forensic images of data and maintain integrity using hashing tools Finally you will cover advanced topics such as autopsies and acquiring investigation data from networks operating system memory and quantum cryptography By the end of this book you will have gained hands on experience of implementing all the pillars of digital forensics acquisition extraction analysis and presentation all using Kali Linux tools What you will learn Get up and running with powerful Kali Linux tools for digital investigation and analysis Perform internet and memory forensics with Volatility and Xplico Understand filesystems storage and data fundamentals Become well versed with incident response procedures and best practices Perform ransomware analysis using labs involving actual ransomware Carry out network forensics and analysis using NetworkMiner and other tools Who this book is for This Kali Linux book is for forensics and digital investigators security analysts or anyone interested in learning digital forensics using Kali Linux Basic knowledge of Kali Linux will be helpful to gain a better understanding of the concepts covered

**Digital Forensics and Cyber Crime** Petr Matoušek, Martin Schmiedecker, 2018-01-04 This book constitutes the refereed proceedings of the 9th International Conference on Digital Forensics and Cyber Crime ICDF2C 2017 held in Prague Czech Republic in October 2017 The 18 full papers were selected from 50 submissions and are grouped in topical sections on malware and botnet deanonymization digital forensics tools cybercrime investigation and digital forensics triage digital forensics tools testing and validation hacking Digital Forensics and Cyber Crime Sanjay Goel, Pavel Gladyshev, Daryl Johnson, Makan Pourzandi, Suryadipta Majumdar, 2021-02-06 This book constitutes the refereed proceedings of the 11th International Conference on Digital Forensics and Cyber Crime ICDF2C 2020 held in Boston MA in October 2020 Due to COVID 19 pandemic the conference was held virtually The 11 reviewed full papers and 4 short papers were selected from 35 submissions and are grouped in topical sections on digital forensics cyber physical system Forensics event reconstruction in digital forensics emerging topics in forensics cybersecurity and digital forensics Digital Forensics for Enterprises Beyond Kali Linux Abhirup Guha, 2025-05-26 DESCRIPTION Digital forensics is a key technology of the interconnected era allowing

investigators to recover maintain and examine digital evidence of cybercrime With ever increasingly sophisticated digital threats the applications of digital forensics increase across industries aiding law enforcement business security and judicial processes This book provides a comprehensive overview of digital forensics covering its scope methods for examining digital evidence to resolve cybercrimes and its role in protecting enterprise assets and ensuring regulatory compliance It explores the field s evolution its broad scope across network mobile and cloud forensics and essential legal and ethical considerations The book also details the investigation process discusses various forensic tools and delves into specialized areas like network memory mobile and virtualization forensics It also highlights forensics cooperation with incident response teams touches on advanced techniques and addresses its application in industrial control systems ICS and the Internet of Things IoT Finally it covers establishing a forensic laboratory and offers career guidance After reading this book readers will have a balanced and practical grasp of the digital forensics space spanning from basic concepts to advanced areas such as IoT memory mobile and industrial control systems forensics With technical know how legal insights and hands on familiarity with industry leading tools and processes readers will be adequately equipped to carry out effective digital investigations make significant contributions to enterprise security and progress confidently in their digital forensics careers

**WHAT YOU WILL LEARN** Role of digital forensics in digital investigation Establish forensic labs and advance your digital forensics career path Strategize enterprise incident response and investigate insider threat scenarios Navigate legal frameworks chain of custody and privacy in investigations Investigate virtualized environments ICS and advanced anti forensic techniques Investigation of sophisticated modern cybercrimes

**WHO THIS BOOK IS FOR** This book is ideal for digital forensics analysts cybersecurity professionals law enforcement authorities IT analysts and attorneys who want to gain in depth knowledge about digital forensics The book empowers readers with the technical legal and investigative skill sets necessary to contain and act against advanced cybercrimes in the contemporary digital world

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Digital Forensics and Cyber Crime Pavel Gladyshev, Sanjay Goel, Joshua James, George Markowsky, Daryl

Johnson, 2022-06-03 This book constitutes the refereed proceedings of the 12th International Conference on Digital Forensics and Cyber Crime ICDF2C 2021 held in Singapore in December 2021 Due to COVID 19 pandemic the conference was held virtually The 22 reviewed full papers were selected from 52 submissions and present digital forensic technologies and

techniques for a variety of applications in criminal investigations incident response and information security The focus of ICDS2C 2021 was on various applications and digital evidence and forensics beyond traditional cybercrime investigations and litigation **Ethical Hacking** AMC College,2022-11-01 Ethical hackers aim to investigate the system or network for weak points that malicious hackers can exploit or destroy The purpose of ethical hacking is to evaluate the security of and identify vulnerabilities in target systems networks or system infrastructure The process entails finding and then attempting to exploit vulnerabilities to determine whether unauthorized access or other malicious activities are possible **Cyber Security** Dr Ashad Ullah Qureshi,Arshee Naz,2020-08-01 This book delves into the fundamentals of cybersecurity covering cyber threats vulnerabilities and protection strategies It explores network security encryption ethical hacking and the role of policies in safeguarding digital systems making it a valuable resource for students IT professionals and security enthusiasts

Handbook of Research on Cyber Crime and Information Privacy Cruz-Cunha, Maria Manuela,Mateus-Coelho, Nuno,2020-08-21 In recent years industries have transitioned into the digital realm as companies and organizations are adopting certain forms of technology to assist in information storage and efficient methods of production This dependence has significantly increased the risk of cyber crime and breaches in data security Fortunately research in the area of cyber security and information protection is flourishing however it is the responsibility of industry professionals to keep pace with the current trends within this field The Handbook of Research on Cyber Crime and Information Privacy is a collection of innovative research on the modern methods of crime and misconduct within cyber space It presents novel solutions to securing and preserving digital information through practical examples and case studies While highlighting topics including virus detection surveillance technology and social networks this book is ideally designed for cybersecurity professionals researchers developers practitioners programmers computer scientists academicians security analysts educators and students seeking up to date research on advanced approaches and developments in cyber security and information protection

Kali Linux: Mastering the Ethical Hacking Distribution Aamer Khan,2025-05-06 Unlock the full potential of Kali Linux with Kali Linux Mastering the Ethical Hacking Distribution Designed for cybersecurity learners and professionals this book offers a deep dive into Kali s powerful tools techniques and workflows used in ethical hacking and penetration testing From installation to advanced attack simulations you ll explore practical exercises real world scenarios and step by step tutorials that make Kali Linux an essential toolkit for any ethical hacker Perfect for both beginners and advanced users aiming to strengthen their cybersecurity skills in 2025 and beyond **Ethical Hacking & Digital Forensics** Aamer Khan,2025-03-15 This book Ethical Hacking Digital Forensics is for those who desire to learn more about investigating and fighting digital crimes It covers latest challenges faced in digital forensic like email forensic mobile forensic and cloud forensic It also sequentially explains disk forensic network forensic memory forensic mobile forensic and cloud forensic The lucid content of the book and the questions provided in each chapter help the learners to prepare themselves for digital forensic competitive

exams It covers complete Ethical Hacking with Practicals Digital Forensics      *Digital Forensics with Kali Linux* Shiva V. N Parasram,2017-12-19 Learn the skills you need to take advantage of Kali Linux for digital forensics investigations using this comprehensive guide Key Features Master powerful Kali Linux tools for digital investigation and analysis Perform evidence acquisition preservation and analysis using various tools within Kali Linux Implement the concept of cryptographic hashing and imaging using Kali Linux Perform memory forensics with Volatility and internet forensics with Xplico Discover the capabilities of professional forensic tools such as Autopsy and DFF Digital Forensic Framework used by law enforcement and military personnel alike Book Description Kali Linux is a Linux based distribution used mainly for penetration testing and digital forensics It has a wide range of tools to help in forensics investigations and incident response mechanisms You will start by understanding the fundamentals of digital forensics and setting up your Kali Linux environment to perform different investigation practices The book will delve into the realm of operating systems and the various formats for file storage including secret hiding places unseen by the end user or even the operating system The book will also teach you to create forensic images of data and maintain integrity using hashing tools Next you will also master some advanced topics such as autopsies and acquiring investigation data from the network operating system memory and so on The book introduces you to powerful tools that will take your forensic abilities and investigations to a professional level catering for all aspects of full digital forensic investigations from hashing to reporting By the end of this book you will have had hands on experience in implementing all the pillars of digital forensics acquisition extraction analysis and presentation using Kali Linux tools What you will learn Get to grips with the fundamentals of digital forensics and explore best practices Understand the workings of file systems storage and data fundamentals Discover incident response procedures and best practices Use DC3DD and Guymager for acquisition and preservation techniques Recover deleted data with Foremost and Scalpel Find evidence of accessed programs and malicious programs using Volatility Perform network and internet capture analysis with Xplico Carry out professional digital forensics investigations using the DFF and Autopsy automated forensic suites Who this book is for This book is targeted at forensics and digital investigators security analysts or any stakeholder interested in learning digital forensics using Kali Linux Basic knowledge of Kali Linux will be an advantage      *Advanced Penetration Testing with Kali Linux* Ummed Meel,2023-10-07 Explore and use the latest VAPT approaches and methodologies to perform comprehensive and effective security assessments KEY FEATURES A comprehensive guide to vulnerability assessment and penetration testing VAPT for all areas of cybersecurity Learn everything you need to know about VAPT from planning and governance to the PPT framework Develop the skills you need to perform VAPT effectively and protect your organization from cyberattacks DESCRIPTION This book is a comprehensive guide to Vulnerability Assessment and Penetration Testing VAPT designed to teach and empower readers of all cybersecurity backgrounds Whether you are a beginner or an experienced IT professional this book will give you the knowledge and practical skills you need to navigate the ever changing cybersecurity landscape

effectively With a focused yet comprehensive scope this book covers all aspects of VAPT from the basics to the advanced techniques It also discusses project planning governance and the critical PPT People Process and Technology framework providing a holistic understanding of this essential practice Additionally the book emphasizes on the pre engagement strategies and the importance of choosing the right security assessments The book s hands on approach teaches you how to set up a VAPT test lab and master key techniques such as reconnaissance vulnerability assessment network pentesting web application exploitation wireless network testing privilege escalation and bypassing security controls This will help you to improve your cybersecurity skills and become better at protecting digital assets Lastly the book aims to ignite your curiosity foster practical abilities and prepare you to safeguard digital assets effectively bridging the gap between theory and practice in the field of cybersecurity

**WHAT YOU WILL LEARN** Understand VAPT project planning governance and the PPT framework Apply pre engagement strategies and select appropriate security assessments Set up a VAPT test lab and master reconnaissance techniques Perform practical network penetration testing and web application exploitation Conduct wireless network testing privilege escalation and security control bypass Write comprehensive VAPT reports for informed cybersecurity decisions

**WHO THIS BOOK IS FOR** This book is for everyone from beginners to experienced cybersecurity and IT professionals who want to learn about Vulnerability Assessment and Penetration Testing VAPT To get the most out of this book it s helpful to have a basic understanding of IT concepts and cybersecurity fundamentals

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**KALI LINUX DIGITAL FORENSICS - 2024 Edition** Diego Rodrigues, 2024-11-01 Welcome to KALI LINUX DIGITAL FORENSICS 2024 Edition the most comprehensive and up to date guide of 2024 on cybercrime investigation and analysis using Kali Linux This book written by Diego Rodrigues a best selling author with more than 140 titles published in six languages offers a unique combination of theory and practice for all levels of professionals and cybersecurity enthusiasts Whether you are a beginner or an expert in digital forensics this manual will guide you through a deep dive into using Kali Linux one of the most powerful tools for cyber investigation From installation and configuration to the collection and analysis of digital evidence each chapter has been designed to provide structured learning focusing on real world scenarios and cutting edge tools You will learn to master essential techniques for collecting and analyzing evidence from Windows Linux systems mobile devices networks and cloud environments always considering the legal and ethical aspects of digital forensics Additionally you will explore the most advanced techniques for log analysis data recovery malware investigation and cryptography ensuring the integrity of evidence and the reliability of results This is the essential resource for those looking to enhance their skills in digital forensics work on complex cases and protect data in a world increasingly threatened by cybercrime

**KALI LINUX**



DIGITAL FORENSICS 2024 Edition is your definitive guide to mastering the tools and techniques that are shaping the future of digital investigation Get ready to face the challenges of cybersecurity and become a highly skilled and prepared expert for the digital age TAGS Python Java Linux Kali Linux HTML ASP NET Ada Assembly Language BASIC Borland Delphi C C C CSS Cobol Compilers DHTML Fortran General HTML Java JavaScript LISP PHP Pascal Perl Prolog RPG Ruby SQL Swift UML Elixir Haskell VBScript Visual Basic XHTML XML XSL Django Flask Ruby on Rails Angular React Vue js Node js Laravel Spring Hibernate NET Core Express js TensorFlow PyTorch Jupyter Notebook Keras Bootstrap Foundation jQuery SASS LESS Scala Groovy MATLAB R Objective C Rust Go Kotlin TypeScript Elixir Dart SwiftUI Xamarin React Native NumPy Pandas SciPy Matplotlib Seaborn D3 js OpenCV NLTK PySpark BeautifulSoup Scikit learn XGBoost CatBoost LightGBM FastAPI Celery Tornado Redis RabbitMQ Kubernetes Docker Jenkins Terraform Ansible Vagrant GitHub GitLab CircleCI Travis CI Linear Regression Logistic Regression Decision Trees Random Forests FastAPI AI ML K Means Clustering Support Vector Tornado Machines Gradient Boosting Neural Networks LSTMs CNNs GANs ANDROID IOS MACOS WINDOWS Nmap Metasploit Framework Wireshark Aircrack ng John the Ripper Burp Suite SQLmap Maltego Autopsy Volatility IDA Pro OllyDbg YARA Snort ClamAV iOS Netcat Tcpdump Foremost Cuckoo Sandbox Fierce HTTrack Kismet Hydra Nikto OpenVAS Nessus ZAP Radare2 Binwalk GDB OWASP Amass Dnsenum Dirbuster Wpscan Responder Setoolkit Searchsploit Recon ng BeEF aws google cloud ibm azure databricks nvidia meta x Power BI IoT CI CD Hadoop Spark Pandas NumPy Dask SQLAlchemy web scraping mysql big data science openai chatgpt Handler RunOnUiThread Qiskit Q Cassandra Bigtable VIRUS MALWARE docker kubernetes

Digital Forensics in the Era of Artificial Intelligence Nour Moustafa, 2022-07-18

Digital forensics plays a crucial role in identifying analysing and presenting cyber threats as evidence in a court of law Artificial intelligence particularly machine learning and deep learning enables automation of the digital investigation process This book provides an in depth look at the fundamental and advanced methods in digital forensics It also discusses how machine learning and deep learning algorithms can be used to detect and investigate cybercrimes This book demonstrates digital forensics and cyber investigating techniques with real world applications It examines hard disk analytics and style architectures including Master Boot Record and GUID Partition Table as part of the investigative process It also covers cyberattack analysis in Windows Linux and network systems using virtual machines in real world scenarios Digital Forensics in the Era of Artificial Intelligence will be helpful for those interested in digital forensics and using machine learning techniques in the investigation of cyberattacks and the detection of evidence in cybercrimes

CyberLabs: Hands-On Cybersecurity for Security+ Frantz Merine, 2025-03-17

Purpose of This Book Cybersecurity is more than just theory it s about hands on skills real world problem solving and understanding how to think like both an attacker and a defender This workbook is designed to bridge the gap between knowledge and action by providing clear step by step guides on key cybersecurity tasks Whether you re preparing for the CompTIA Security exam or simply looking to sharpen your skills this

book will serve as a practical reference to help you master essential tools and techniques Who This Book Is For This book is for cybersecurity students IT professionals and self learners who want to develop a solid foundation in cybersecurity operations Whether you re just starting out or reinforcing your knowledge these hands on exercises will give you the confidence to apply security concepts in real world scenarios If you re studying for the CompTIA Security certification this workbook will be especially valuable as it focuses on the Operations and Incident Response domain an area that requires strong practical skills How This Book Complements the YouTube Videos All the guides in this book align with the cyberlabs007 YouTube channel where I provide free in depth video demonstrations of the labs covered here The workbook offers structured written instructions that you can follow at your own pace while the videos serve as a visual aid to reinforce your learning Together these resources provide a comprehensive hands on learning experience The Importance of Hands On Cybersecurity Skills Cybersecurity is not a spectator sport The best way to learn is by doing Employers look for professionals who not only understand security concepts but can also apply them in real world environments This workbook ensures that you re not just memorizing facts you re gaining practical experience in using cybersecurity tools analyzing security threats and responding to incidents By working through these exercises you ll develop the skills and confidence needed to excel in cybersecurity whether in a certification exam or in the field

### **Digital Forensics with Kali Linux** Shiva V. N.

Parasram,2017-12-19 Learn the skills you need to take advantage of Kali Linux for digital forensics investigations using this comprehensive guide About This Book Master powerful Kali Linux tools for digital investigation and analysis Perform evidence acquisition preservation and analysis using various tools within Kali Linux Implement the concept of cryptographic hashing and imaging using Kali Linux Perform memory forensics with Volatility and internet forensics with Xplico Discover the capabilities of professional forensic tools such as Autopsy and DFF Digital Forensic Framework used by law enforcement and military personnel alike Who This Book Is For This book is targeted at forensics and digital investigators security analysts or any stakeholder interested in learning digital forensics using Kali Linux Basic knowledge of Kali Linux will be an advantage What You Will Learn Get to grips with the fundamentals of digital forensics and explore best practices Understand the workings of file systems storage and data fundamentals Discover incident response procedures and best practices Use DC3DD and Guymager for acquisition and preservation techniques Recover deleted data with Foremost and Scalpel Find evidence of accessed programs and malicious programs using Volatility Perform network and internet capture analysis with Xplico Carry out professional digital forensics investigations using the DFF and Autopsy automated forensic suites In Detail Kali Linux is a Linux based distribution used mainly for penetration testing and digital forensics It has a wide range of tools to help in forensics investigations and incident response mechanisms You will start by understanding the fundamentals of digital forensics and setting up your Kali Linux environment to perform different investigation practices The book will delve into the realm of operating systems and the various formats for file storage including secret hiding places unseen by the end

user or even the operating system The book will also teach you to create forensic images of data and maintain integrity using hashing tools Next you will also master some advanced topics such as autopsies and acquiring investigation data from the network operating system memory and so on The book introduces you to powerful tools that will take your forensic abilities and investigations to a professional level catering for all aspects of full digital forensic investigations from hashing to reporting By the end of this book you will have had hands on experience in implementing all the pillars of digital forensics acquisition extraction analysis and presentation using Kali Linux tools Style and approach While covering the best practices of digital forensics investigations evidence acquisition preservation and analysis this book delivers easy to follow practical examples and detailed labs for an easy approach to learning forensics Following the guidelines within each lab you can easily practice all readily available forensic tools in Kali Linux within either a dedicated physical or virtual machine

*Introductory Computer Forensics* Xiaodong Lin, 2018-11-10 This textbook provides an introduction to digital forensics a rapidly evolving field for solving crimes Beginning with the basic concepts of computer forensics each of the book's 21 chapters focuses on a particular forensic topic composed of two parts background knowledge and hands on experience through practice exercises Each theoretical or background section concludes with a series of review questions which are prepared to test students understanding of the materials while the practice exercises are intended to afford students the opportunity to apply the concepts introduced in the section on background knowledge This experience oriented textbook is meant to assist students in gaining a better understanding of digital forensics through hands on practice in collecting and preserving digital evidence by completing various exercises With 20 student directed inquiry based practice exercises students will better understand digital forensic concepts and learn digital forensic investigation techniques This textbook is intended for upper undergraduate and graduate level students who are taking digital forensic related courses or working in digital forensics research It can also be used by digital forensics practitioners IT security analysts and security engineers working in the IT security industry particular IT professionals responsible for digital investigation and incident handling or researchers working in these related fields as a reference book

### **Hands-On AWS Penetration Testing with Kali Linux**

Karl Gilbert, Benjamin Caudill, 2019-04-30 Identify tools and techniques to secure and perform a penetration test on an AWS infrastructure using Kali Linux Key Features Efficiently perform penetration testing techniques on your public cloud instances Learn not only to cover loopholes but also to automate security monitoring and alerting within your cloud based deployment pipelines A step by step guide that will help you leverage the most widely used security platform to secure your AWS Cloud environment Book Description The cloud is taking over the IT industry Any organization housing a large amount of data or a large infrastructure has started moving cloud ward and AWS rules the roost when it comes to cloud service providers with its closest competitor having less than half of its market share This highlights the importance of security on the cloud especially on AWS While a lot has been said and written about how cloud environments can be secured performing

external security assessments in the form of pentests on AWS is still seen as a dark art This book aims to help pentesters as well as seasoned system administrators with a hands on approach to pentesting the various cloud services provided by Amazon through AWS using Kali Linux To make things easier for novice pentesters the book focuses on building a practice lab and refining penetration testing with Kali Linux on the cloud This is helpful not only for beginners but also for pentesters who want to set up a pentesting environment in their private cloud using Kali Linux to perform a white box assessment of their own cloud resources Besides this there is a lot of in depth coverage of the large variety of AWS services that are often overlooked during a pentest from serverless infrastructure to automated deployment pipelines By the end of this book you will be able to identify possible vulnerable areas efficiently and secure your AWS cloud environment What you will learn

- Familiarize yourself with and pentest the most common external facing AWS services
- Audit your own infrastructure and identify flaws weaknesses and loopholes
- Demonstrate the process of lateral and vertical movement through a partially compromised AWS account
- Maintain stealth and persistence within a compromised AWS account
- Master a hands on approach to pentesting
- Discover a number of automated tools to ease the process of continuously assessing and improving the security stance of an AWS infrastructure

Who this book is for If you are a security analyst or a penetration tester and are interested in exploiting Cloud environments to reveal vulnerable areas and secure them then this book is for you A basic understanding of penetration testing cloud computing and its security concepts is mandatory

Embark on a breathtaking journey through nature and adventure with is mesmerizing ebook, Witness the Wonders in **Digital Forensics And Cyber Crime With Kali Linux** . This immersive experience, available for download in a PDF format ( Download in PDF: \*), transports you to the heart of natural marvels and thrilling escapades. Download now and let the adventure begin!

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### Digital Forensics And Cyber Crime With Kali Linux Introduction

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