

Read free Hacking the art of exploitation jon erickson (2023)

Hacking Hacking- The art Of Exploitation Hacking Hacking: The Art of Exploitation, 2nd Edition Hacking: The Art of Exploitation, 2nd Edition The Web Application Hacker's Handbook Advanced Penetration Testing Hands on Hacking The Basics of Hacking and Penetration Testing A Guide to Kernel Exploitation Metasploit Ghost in the Wires Hacking the Hacker The Art of Assembly Language, 2nd Edition Black Hat Python, 2nd Edition Penetration Testing The Shellcoder's Handbook The Hacker Playbook Web Hacking 101 The Hacker Playbook 2 Social Engineering Building Internet Firewalls Hacking Your Education Black Hat Python, 2nd Edition Puzzles for Hackers Ethical Hacking The Hardware Hacker Practical IoT Hacking You Can Hack Hacking the Xbox Gray Hat Hacking, Second Edition A Playful Production Process Cult of the Dead Cow Attack and Defend Computer Security Set How to Hack Like a Ghost The Car Hacker's Handbook Hacking The Database Hacker's Handbook Rtfm In the Beginning...Was the Command Line

Hacking

2003

this book is for both technical and nontechnical people interested in computer security unlike many so called hacking books this explains technical aspects of hacking such as stack based overflows heap based overflows string exploits return into libc shellcode and cryptographic attacks on 802 11b

Hacking- The art Of Exploitation

2018-03-06

this text introduces the spirit and theory of hacking as well as the science behind it all it also provides some core techniques and tricks of hacking so you can think like a hacker write your own hacks or thwart potential system attacks

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Hacking: The Art of Exploitation, 2nd Edition

2008-02-01

hacking is the art of creative problem solving whether that means finding an unconventional solution to a difficult problem or exploiting holes in sloppy programming many people call themselves hackers but few have the strong technical foundation needed to really push the envelope rather than merely showing how to run existing exploits author jon erickson explains how arcane hacking techniques actually work to share the art and science of hacking in a way that is accessible to everyone hacking the art of exploitation 2nd edition introduces the fundamentals of c programming from a hacker s perspective the included livecd provides a complete linux programming and debugging environment all without modifying your current operating system use it to follow along with the book s examples as you fill gaps in your knowledge and explore hacking techniques on your own get your hands dirty debugging code overflowing buffers hijacking network communications bypassing protections exploiting cryptographic weaknesses and perhaps even inventing new exploits this book will teach you how to program computers using c assembly language and shell scripts corrupt system memory to run arbitrary code using buffer overflows and format strings inspect processor registers and system memory with a debugger to gain a real understanding of what is happening outsmart common security measures like nonexecutable stacks and intrusion detection systems gain access to a remote server using port binding or connect back shellcode and alter a server s logging behavior to hide your presence redirect network traffic conceal open ports and hijack tcp connections crack encrypted wireless traffic using the fms attack and speed up brute force attacks using a password probability matrix hackers are always pushing the boundaries investigating the unknown and evolving their art even if you don t already know how to program hacking the art of exploitation 2nd edition will give you a complete picture of programming machine architecture network communications and existing hacking techniques combine this knowledge with the included linux environment and all you need is your own creativity

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The Web Application Hacker's Handbook

2011-03-16

this book is a practical guide to discovering and exploiting security flaws in web applications the authors explain each category of vulnerability using real world examples screen shots and code extracts the book is extremely practical in focus and describes in detail the steps involved in detecting and exploiting each kind of security weakness found within a variety of applications such as online banking e commerce and other web applications the topics covered include bypassing login mechanisms injecting code exploiting logic flaws and compromising other users because every web application is different attacking them entails bringing to bear various general principles techniques and experience in an imaginative way the most successful hackers go beyond this and find ways to automate their bespoke attacks this handbook describes a proven methodology that combines the virtues of human intelligence and computerized brute force often with devastating results the authors are professional penetration testers who have been involved in web application security for nearly a decade they have presented training courses at the black hat security conferences throughout the world under the alias portswigger dafydd developed the popular burp suite of web application hack tools

Advanced Penetration Testing

2017-02-27

build a better defense against motivated organized professional attacks advanced penetration testing hacking the world s most secure networks takes hacking far beyond kali linux and metasploit to provide a more complex attack simulation featuring techniques not taught in any certification prep or covered by common defensive scanners this book integrates social engineering programming and vulnerability exploits into a multidisciplinary approach for targeting and compromising high security environments from discovering and creating attack vectors and moving unseen through a target enterprise to establishing command and exfiltrating data even from organizations without a direct internet connection this guide contains the crucial techniques that provide a more accurate picture of your system s defense custom coding examples use vba windows scripting host c java javascript flash and more with coverage of standard library applications and the use of scanning tools to bypass common defensive measures typical penetration testing consists of low level hackers attacking a system with a list of known vulnerabilities and defenders preventing those hacks using an equally well known list of defensive scans the professional hackers and nation states on the forefront of today s threats operate at a much more complex level and this book shows you how to defend your high security network use targeted social engineering pretexts to create the initial compromise leave a command and control structure in place for long term access escalate privilege and breach networks operating systems and trust structures infiltrate further using harvested credentials while expanding control today s threats are organized professionally run and very much for profit financial institutions health care organizations law enforcement government agencies and other high value targets need to harden their it infrastructure and human capital against targeted advanced attacks from motivated professionals advanced penetration testing goes beyond kali linux and metasploit and to provide you advanced pen testing for high security networks

Hands on Hacking

2020-09-16

a fast hands on introduction to offensive hacking techniques hands on hacking teaches readers to see through the eyes of their adversary and apply hacking techniques to better understand real world risks to computer networks and data readers will benefit from the author s years of experience in the field hacking into computer networks and ultimately training others in the art of cyber attacks this book holds no punches and explains the tools tactics and procedures used by ethical hackers and criminal crackers alike we will take you on a journey through a hacker s perspective when focused on the computer infrastructure of a target company exploring how to access the servers and data once the information gathering stage is complete you ll look for flaws and their known exploits including tools developed by real world government financed state actors an introduction to the same hacking techniques that malicious hackers will use against an organization written by infosec experts with proven history of publishing vulnerabilities and highlighting security flaws based on the tried and tested

material used to train hackers all over the world in the art of breaching networks covers the fundamental basics of how computer networks are inherently vulnerable to attack teaching the student how to apply hacking skills to uncover vulnerabilities we cover topics of breaching a company from the external network perimeter hacking internal enterprise systems and web application vulnerabilities delving into the basics of exploitation with real world practical examples you won t find any hypothetical academic only attacks here from start to finish this book will take the student through the steps necessary to breach an organization to improve its security written by world renowned cybersecurity experts and educators hands on hacking teaches entry level professionals seeking to learn ethical hacking techniques if you are looking to understand penetration testing and ethical hacking this book takes you from basic methods to advanced techniques in a structured learning format

The Basics of Hacking and Penetration Testing

2013-06-24

the basics of hacking and penetration testing second edition serves as an introduction to the steps required to complete a penetration test or perform an ethical hack from beginning to end the book teaches students how to properly utilize and interpret the results of the modern day hacking tools required to complete a penetration test it provides a simple and clean explanation of how to effectively utilize these tools along with a four step methodology for conducting a penetration test or hack thus equipping students with the know how required to jump start their careers and gain a better understanding of offensive security each chapter contains hands on examples and exercises that are designed to teach learners how to interpret results and utilize those results in later phases tool coverage includes backtrack linux google reconnaissance metagoofil dig nmap nessus metasploit fast track autopwn netcat and hacker defender rootkit this is complemented by powerpoint slides for use in class this book is an ideal resource for security consultants beginning infosec professionals and students each chapter contains hands on examples and exercises that are designed to teach you how to interpret the results and utilize those results in later phases written by an author who works in the field as a penetration tester and who teaches offensive security penetration testing and ethical hacking and exploitation classes at dakota state university utilizes the kali linux distribution and focuses on the seminal tools required to complete a penetration test

A Guide to Kernel Exploitation

2010-10-28

a guide to kernel exploitation attacking the core discusses the theoretical techniques and approaches needed to develop reliable and effective kernel level exploits and applies them to different operating systems namely unix derivatives mac os x and windows concepts and tactics are presented categorically so that even when a specifically detailed vulnerability has been patched the foundational information provided will help hackers in writing a newer better attack or help pen testers auditors and the like develop a more concrete design and defensive structure the book is organized into four parts part i introduces the kernel and sets out the theoretical basis on which to build the rest of the book part ii focuses on different operating systems and describes exploits for them that target various bug classes part iii on remote kernel exploitation analyzes the effects of the remote scenario and presents new techniques to target remote issues it includes a step by step analysis of the development of a reliable one shot remote exploit for a real vulnerabilitya bug affecting the sctp subsystem found in the linux kernel finally part iv wraps up the analysis on kernel exploitation and looks at what the future may hold covers a range of operating system families unix derivatives mac os x windows details common scenarios such as generic memory corruption stack overflow heap overflow etc issues logical bugs and race conditions delivers the reader from user land exploitation to the world of kernel land os exploits attacks with a particular focus on the steps that lead to the creation of successful techniques in order to give to the reader something more than just a set of tricks

Metasploit

2011-07-15

the metasploit framework makes discovering exploiting and sharing vulnerabilities quick and relatively painless but while metasploit is used by security professionals everywhere the tool can be hard to grasp for first time users metasploit the penetration tester s guide fills this gap by teaching you how to harness the framework and interact with the vibrant community of metasploit contributors once you ve built your foundation for penetration testing you ll learn the framework s conventions interfaces and module system as you launch simulated attacks you ll move on to advanced penetration testing techniques including network reconnaissance and enumeration client side attacks wireless attacks and targeted social engineering attacks learn how to find and exploit unmaintained misconfigured and unpatched systems perform reconnaissance and find valuable information about your target bypass anti virus technologies and circumvent security controls integrate nmap nexpose and nessus with metasploit to automate discovery use the meterpreter shell to launch further attacks from inside the network harness standalone metasploit utilities third party tools and plug ins learn how to write your own meterpreter post exploitation modules and scripts you ll even touch on exploit discovery for zero day research write a fuzzer port existing exploits into the framework and learn how to cover your tracks whether your goal is to secure your own networks or to put someone else s to the test metasploit the penetration tester s

guide will take you there and beyond

Ghost in the Wires

2011-08-15

in this intriguing insightful and extremely educational novel the world s most famous hacker teaches you easy cloaking and counter measures for citizens and consumers in the age of big brother and big data frank w abagnale kevin mitnick was the most elusive computer break in artist in history he accessed computers and networks at the world s biggest companies and no matter how fast the authorities were mitnick was faster sprinting through phone switches computer systems and cellular networks as the fbi s net finally began to tighten mitnick went on the run engaging in an increasingly sophisticated game of hide and seek that escalated through false identities a host of cities and plenty of close shaves to an ultimate showdown with the feds who would stop at nothing to bring him down ghost in the wires is a thrilling true story of intrigue suspense and unbelievable escapes and a portrait of a visionary who forced the authorities to rethink the way they pursued him and forced companies to rethink the way they protect their most sensitive information mitnick manages to make breaking computer code sound as action packed as robbing a bank npr

Hacking the Hacker

2017-04-18

meet the world s top ethical hackers and explore the tools of the trade hacking the hacker takes you inside the world of cybersecurity to show you what goes on behind the scenes and introduces you to the men and women on the front lines of this technological arms race twenty six of the world s top white hat hackers security researchers writers and leaders describe what they do and why with each profile preceded by a no experience necessary explanation of the relevant technology dorothy denning discusses advanced persistent threats martin hellman describes how he helped invent public key encryption bill cheswick talks about firewalls dr charlie miller talks about hacking cars and other cybersecurity experts from around the world detail the threats their defenses and the tools and techniques they use to thwart the most advanced criminals history has ever seen light on jargon and heavy on intrigue this book is designed to be an introduction to the field final chapters include a guide for parents of young hackers as well as the code of ethical hacking to help you start your own journey to the top cybersecurity is becoming increasingly critical at all levels from retail businesses all the way up to national security this book drives to the heart of the field introducing the people and practices that help keep our world secure go deep into the world of white hat hacking to grasp just how critical cybersecurity is read the stories of some of the world s most renowned computer security experts learn how hackers do what they do no technical expertise necessary delve into social engineering cryptography penetration testing network attacks and more as a field cybersecurity is large and multi faceted yet not historically diverse with a massive demand for qualified professional that is only going to grow opportunities are endless hacking the hacker shows you why you should give the field a closer look

The Art of Assembly Language, 2nd Edition

2010-03-01

assembly is a low level programming language that s one step above a computer s native machine language although assembly language is commonly used for writing device drivers emulators and video games many programmers find its somewhat unfriendly syntax intimidating to learn and use since 1996 randall hyde s the art of assembly language has provided a comprehensive plain english and patient introduction to 32 bit x86 assembly for non assembly programmers hyde s primary teaching tool high level assembler or hla incorporates many of the features found in high level languages like c c and java to help you quickly grasp basic assembly concepts hla lets you write true low level code while enjoying the benefits of high level language programming as you read the art of assembly language you ll learn the low level theory fundamental to computer science and turn that understanding into real functional code you ll learn how to edit compile and run hla programs declare and use constants scalar variables pointers arrays structures unions and namespaces translate arithmetic expressions integer and floating point convert high level control structures this much anticipated second edition of the art of assembly language has been updated to reflect recent changes to hla and to support linux mac os x and freebsd whether you re new to programming or you have experience with high level languages the art of assembly language 2nd edition is your essential guide to learning this complex low level language

Black Hat Python, 2nd Edition

2021-04-13

fully updated for python 3 the second edition of this worldwide bestseller over 100 000 copies sold explores the stealthier side of programming and brings you all new strategies for your hacking projects when it comes to creating powerful and effective hacking tools python is the language of choice for most security analysts in black hat python 2nd edition you ll explore the darker side of python s capabilities writing network sniffers stealing email credentials brute forcing directories crafting mutation fuzzers infecting virtual machines creating stealthy trojans and more the second edition of this bestselling hacking book contains code updated for the latest version of python 3 as well as new techniques that reflect current industry best practices you ll also find expanded explanations of python libraries such as ctypes struct lxml and beautifulsoup and dig deeper into strategies from splitting bytes to leveraging computer vision libraries that you can apply to future hacking projects you ll learn how to create a trojan command and control using github detect sandboxing and automate common malware tasks like keylogging and screenshotting escalate windows privileges with creative process control use offensive memory forensics tricks to retrieve password hashes and inject shellcode into a virtual machine extend the popular burp suite web hacking tool abuse windows com automation to perform a man in the browser attack exfiltrate data from a network most sneakily when it comes to offensive security your ability to create powerful tools on the fly is indispensable learn how with the second edition of black hat python new to this edition all python code has been updated to cover python 3 and includes updated libraries used in current python applications additionally there are more in depth explanations of the code and the programming techniques have been updated to current common tactics examples of new material that you ll learn include how to sniff network traffic evade anti virus software brute force web applications and set up a command and control c2 system using github

Penetration Testing

2014-06-14

penetration testers simulate cyber attacks to find security weaknesses in networks operating systems and applications information security experts worldwide use penetration techniques to evaluate enterprise defenses in penetration testing security expert researcher and trainer georgia weidman introduces you to the core skills and techniques that every pentester needs using a virtual machine based lab that includes kali linux and vulnerable operating systems you ll run through a series of practical lessons with tools like wireshark nmap and burp suite as you follow along with the labs and launch attacks you ll experience the key stages of an actual assessment including information gathering finding exploitable vulnerabilities gaining access to systems post exploitation and more learn how to crack passwords and wireless network keys with brute forcing and wordlists test web applications for vulnerabilities use the metasploit framework to launch exploits and write your own metasploit modules automate social engineering attacks bypass antivirus software turn access to one machine into total control of the enterprise in the post exploitation phase you ll even explore writing your own exploits then it s on to mobile hacking weidman s particular area of research with her tool the smartphone pentest framework with its collection of hands on lessons that cover key tools and strategies penetration testing is the introduction that every aspiring hacker needs

The Shellcoder's Handbook

2011-02-16

this much anticipated revision written by the ultimate group of top security experts in the world features 40 percent new content on how to find security holes in any operating system or application new material addresses the many new exploitation techniques that have been discovered since the first edition including attacking unbreakable software packages such as mcafee s entercept mac os x xp office 2003 and vista also features the first ever published information on exploiting cisco s ios with content that has never before been explored the companion site features downloadable code files

The Hacker Playbook

2014

just as a professional athlete doesn t show up without a solid game plan ethical hackers it professionals and security researchers should not be unprepared either the hacker playbook provides them their own game plans written by a longtime security professional and ceo of secure planet llc this step by step guide to the game of penetration hacking features hands on examples and helpful advice from the top of the field through a series of football style plays this straightforward guide gets to the root of many of the roadblocks people may face while penetration testing including attacking different types of networks pivoting through security controls and evading antivirus software from pregame research to the drive and the lateral pass the practical plays listed can be read in order or referenced as needed either way the valuable advice within will put you in the mindset of a penetration tester of a fortune 500 company regardless of your career or level of experience whether you re downing energy drinks while desperately looking for an exploit or preparing for an exciting new job in it security this guide is an essential part of any ethical hacker s library so there s no reason not to get in the game

Web Hacking 101

2020-08-08

have you always been interested and fascinated by the world of hacking do you wish to learn more about networking do you wish to learn web hacking do you want to know how to protect your system from being compromised and learn about advanced security protocols if you want to understand how to hack from basic level to advanced keep reading follow me and let s dive into the world of hacking don t keep waiting to start your new journey as a hacker get started now and order your copy today scroll up and click buy now button

The Hacker Playbook 2

2015

just as a professional athlete doesn t show up without a solid game plan ethical hackers it professionals and security researchers should not be unprepared either the hacker playbook provides them their own game plans written by a longtime security professional and ceo of secure planet llc this step by step guide to the game of penetration hacking features hands on examples and helpful advice from the top of the field through a series of football style plays this straightforward guide gets to the root of many of the roadblocks people may face while penetration testing including attacking different types of networks pivoting through security controls privilege escalation and evading antivirus software from pregame research to the drive and the lateral pass the practical plays listed can be read in order or referenced as needed either way the valuable advice within will put you in the mindset of a penetration tester of a fortune 500 company regardless of your career or level of experience this second version of the hacker playbook takes all the best plays from the original book and incorporates the latest attacks tools and lessons learned double the content compared to its predecessor this guide further outlines building a lab walks through test cases for attacks and provides more customized code whether you re downing energy drinks while desperately looking for an exploit or preparing for an exciting new job in it security this guide is an essential part of any ethical hacker s library so there s no reason not to get in the game

Social Engineering

2018-06-25

harden the human firewall against the most current threats social engineering the science of human hacking reveals the craftier side of the hacker s repertoire why hack into something when you could just ask for access undetectable by firewalls and antivirus software social engineering relies on human fault to gain access to sensitive spaces in this book renowned expert christopher hadnagy explains the most commonly used techniques that fool even the most robust security personnel and shows you how these techniques have been used in the past the way that we make decisions as humans affects everything from our emotions to our security hackers since the beginning of time have figured out ways to exploit that decision making process and get you to take an action not in your best interest this new second edition has been updated with the most current methods used by sharing stories examples and scientific study behind how those decisions are exploited networks and systems can be hacked but they can also be protected when the system in question is a human being there is no software to fall back on no hardware upgrade no code that can lock information down indefinitely human nature and emotion is the secret weapon of the malicious social engineering and this book shows you how to recognize predict and prevent this type of manipulation by taking you inside the social engineer s bag of tricks examine the most common social engineering tricks used to gain access discover which popular techniques generally don t work in the real world examine how our understanding of the science behind emotions and decisions can be used by social engineers learn how social engineering factors into some of the biggest recent headlines learn how to use these skills as a professional social engineer and secure your company adopt effective counter measures to keep hackers at bay by working from the social engineer s playbook you gain the advantage of foresight that can help you protect yourself and others from even their best efforts social engineering gives you the inside information you need to mount an unshakeable defense

Building Internet Firewalls

2000-06-26

in the five years since the first edition of this classic book was published internet use has exploded the commercial world has rushed headlong into doing business on the often without integrating sound security technologies and policies into their products and methods the security risks and the need to protect both business and personal data have never been greater we ve updated building internet firewalls to address these newer risks what kinds of security threats does the internet pose some like password attacks and the exploiting of known security holes have been around since the early days of networking and others like the distributed denial of service attacks that crippled yahoo e bay and other major e commerce sites in early 2000 are in current headlines firewalls critical components of today s computer networks effectively protect a system from most internet security

threats they keep damage on one part of the network such as eavesdropping a worm program or file damage from spreading to the rest of the network without firewalls network security problems can rage out of control dragging more and more systems down like the bestselling and highly respected first edition building internet firewalls 2nd edition is a practical and detailed step by step guide to designing and installing firewalls and configuring internet services to work with a firewall much expanded to include linux and windows coverage the second edition describes firewall technologies packet filtering proxying network address translation virtual private networks architectures such as screening routers dual homed hosts screened hosts screened subnets perimeter networks internal firewalls issues involved in a variety of new internet services and protocols through a firewall email and news services and scripting languages e g http java javascript activex realaudio realvideo file transfer and sharing services such as nfs samba remote access services such as telnet the BSD r commands ssh backorifice 2000 real time conferencing services such as icq and talk naming and directory services e g dns netbt the windows browser authentication and auditing services e g pam kerberos radius administrative services e g syslog snmp sms rip and other routing protocols and ping and other network diagnostics intermediary protocols e g rpc smb corba iiop database protocols e g odbc jdbc and protocols for oracle sybase and microsoft sql server the book s complete list of resources includes the location of many publicly available firewall construction tools

Hacking Your Education

2013-03-05

it s no secret that college doesn t prepare students for the real world student loan debt recently eclipsed credit card debt for the first time in history and now tops one trillion dollars and the throngs of unemployed graduates chasing the same jobs makes us wonder whether there s a better way to make it in today s marketplace there is and dale stephens is proof of that in hacking your education stephens speaks to a new culture of hackademics who think college diplomas are antiquated stephens shows how he and dozens of others have hacked their education and how you can too you don t need to be a genius or especially motivated to succeed outside school the real requirements are much simpler curiosity confidence and grit hacking your education offers valuable advice to current students as well as those who decided to skip college stephens teaches you to create opportunities for yourself and design your curriculum inside or outside the classroom whether your dream is to travel the world build a startup or climb the corporate ladder stephens proves you can do it now rather than waiting for life to start after graduation day

Black Hat Python, 2nd Edition

2021-04-14

fully updated for python 3 the second edition of this worldwide bestseller over 100 000 copies sold explores the stealthier side of programming and brings you all new strategies for your hacking projects when it comes to creating powerful and effective hacking tools python is the language of choice for most security analysts in this second edition of the bestselling black hat python you ll explore the darker side of python s capabilities everything from writing network sniffers stealing email credentials and bruteforcing directories to crafting mutation fuzzers investigating virtual machines and creating stealthy trojans all of the code in this edition has been updated to python 3 x you ll also find new coverage of bit shifting code hygiene and offensive forensics with the volatility framework as well as expanded explanations of the python libraries ctypes struct lxml and beautifulsoup and offensive hacking strategies like splitting bytes leveraging computer vision libraries and scraping websites you ll even learn how to create a trojan command and control server using github detect sandboxing and automate common malware tasks like keylogging and screenshotting extend the burp suite web hacking tool escalate windows privileges with creative process control use offensive memory forensics tricks to retrieve password hashes and find vulnerabilities on a virtual machine abuse windows com automation exfiltrate data from a network undetected when it comes to offensive security you need to be able to create powerful tools on the fly learn how with black hat python

Puzzles for Hackers

2005

these puzzles and mind benders serve as a way to train logic and help developers hackers and system administrators discover unconventional solutions to common it problems users will learn to find bugs in source code write exploits and solve nonstandard coding tasks and hacker puzzles cryptographic puzzles puzzles for linux and windows hackers coding puzzles and puzzles for web designers are included

Ethical Hacking

2021-09-21

a hands on guide to hacking computer systems from the ground up from capturing traffic to crafting sneaky successful trojans a crash course in modern hacking techniques ethical hacking is already being used to prepare the next generation of offensive security experts in its many hands on labs you ll explore crucial skills for any aspiring penetration tester security researcher or malware analyst you ll begin with the basics capturing a victim s network traffic with an arp spoofing attack and then viewing it in wireshark from there you ll deploy reverse shells that let you remotely run commands on a victim s computer encrypt files by writing your own ransomware in python and fake emails like the ones used in phishing attacks in advanced chapters you ll learn how to fuzz for new vulnerabilities craft trojans and rootkits exploit websites with sql injection and escalate your privileges to extract credentials which you ll use to traverse a private network you ll work with a wide range of professional penetration testing tools and learn to write your own tools in python as you practice tasks like deploying the metasploit framework s reverse shells and embedding them in innocent seeming files capturing passwords in a corporate windows network using mimikatz scanning almost every device on the internet to find potential victims installing linux rootkits that modify a victim s operating system performing advanced cross site scripting xss attacks that execute sophisticated javascript payloads along the way you ll gain a foundation in the relevant computing technologies discover how advanced fuzzers work behind the scenes learn how internet traffic gets encrypted explore the inner mechanisms of nation state malware like drovorub and much more developed with feedback from cybersecurity students ethical hacking addresses contemporary issues in the field not often covered in other books and will prepare you for a career in penetration testing most importantly you ll be able to think like an ethical hacker someone who can carefully analyze systems and creatively gain access to them

The Hardware Hacker

2019-08-27

for over a decade andrew bunnie huang one of the world s most esteemed hackers has shaped the fields of hacking and hardware from his cult classic book hacking the xbox to the open source laptop novena and his mentorship of various hardware startups and developers in the hardware hacker huang shares his experiences in manufacturing and open hardware creating an illuminating and compelling career retrospective huang s journey starts with his first visit to the staggering electronics markets in shenzhen with booths overflowing with capacitors memory chips voltmeters and possibility he shares how he navigated the overwhelming world of chinese factories to bring chumby novena and chibitronics to life covering everything from creating a bill of materials to choosing the factory to best fit his needs through this collection of personal essays and interviews on topics ranging from the legality of reverse engineering to a comparison of intellectual property practices between china and the united states bunnie weaves engineering law and society into the tapestry of open hardware with highly detailed passages on the ins and outs of manufacturing and a comprehensive take on the issues associated with open source hardware the hardware hacker is an invaluable resource for aspiring hackers and makers

Practical IoT Hacking

2021-03-23

the definitive guide to hacking the world of the internet of things iot internet connected devices such as medical devices home assistants smart home appliances and more drawing from the real life exploits of five highly regarded iot security researchers practical iot hacking teaches you how to test iot systems devices and protocols to mitigate risk the book begins by walking you through common threats and a threat modeling framework you ll develop a security testing methodology discover the art of passive reconnaissance and assess security on all layers of an iot system next you ll perform vlan hopping crack mqtt authentication abuse upnp develop an mdns poisoner and craft ws discovery attacks you ll tackle both hardware hacking and radio hacking with in depth coverage of attacks against embedded iot devices and rfid systems you ll also learn how to write a dicom service scanner as an nse module hack a microcontroller through the uart and swd interfaces reverse engineer firmware and analyze mobile companion apps develop an nfc fuzzer using proxmark3 hack a smart home by jamming wireless alarms playing back ip camera feeds and controlling a smart treadmill the tools and devices you ll use are affordable and readily available so you can easily practice what you learn whether you re a security researcher it team member or hacking hobbyist you ll find practical iot hacking indispensable in your efforts to hack all the things requirements basic knowledge of linux command line tcp ip and programming

You Can Hack

2015

the title you can hack the art of exploitation written by pankaj patidar was published in the year 2015 the isbn number 9789380222769 is assigned to the hardcover version of this title this book has total of pp 116 pages the publisher of this title is gennext publication this book is in english the subject of this book is information technology you can hack is the book which tells you the step by step hacking tutorials with screenshot this book is written in simple language which c

Hacking the Xbox

2003

provides step by step instructions on basic hacking techniques and reverse engineering skills along with information on xbox security hardware and software

Gray Hat Hacking, Second Edition

2008-01-10

a fantastic book for anyone looking to learn the tools and techniques needed to break in and stay in bruce potter founder the shmoo group very highly recommended whether you are a seasoned professional or just starting out in the security business simple nomad hacker

A Playful Production Process

2021-10-12

how to achieve a happier and healthier game design process by connecting the creative aspects of game design with techniques for effective project management this book teaches game designers aspiring game developers and game design students how to take a digital game project from start to finish from conceptualizing and designing to building playtesting and iterating while avoiding the uncontrolled overwork known among developers as crunch written by a legendary game designer a playful production process outlines a process that connects the creative aspects of game design with proven techniques for effective project management the book outlines four project phases ideation preproduction full production and post production that give designers and developers the milestones they need to advance from the first glimmerings of an idea to a finished game

Cult of the Dead Cow

2019-06-04

the shocking untold story of the elite secret society of hackers fighting to protect our privacy our freedom and even democracy itself cult of the dead cow is the tale of the oldest most respected and most famous american hacking group of all time though until now it has remained mostly anonymous its members invented the concept of hacktivism released the top tool for testing password security and created what was for years the best technique for controlling computers from afar forcing giant companies to work harder to protect customers they contributed to the development of tor the most important privacy tool on the net and helped build cyberweapons that advanced us security without injuring anyone with its origins in the earliest days of the internet the cdc is full of oddball characters activists artists even future politicians many of these hackers have become top executives and advisors walking the corridors of power in washington and silicon valley the most famous is former texas congressman and current presidential candidate beto o rourke whose time in the cdc set him up to found a tech business launch an alternative publication in el paso and make long shot bets on unconventional campaigns today the group and its followers are battling electoral misinformation making personal data safer and battling to keep technology a force for good instead of for surveillance and oppression cult of the dead cow shows how governments corporations and criminals came to hold immense power over individuals and how we can fight back against them

Attack and Defend Computer Security Set

2014-03-17

defend your networks and data from attack with this unique two book security set the attack and defend computer security set is a two book set comprised of the bestselling second edition of application hacker s handbook and malware analyst s cookbook this special security bundle combines coverage of the two most crucial tactics used to defend networks applications and data from attack while giving security professionals insight into the underlying details of these attacks themselves the application hacker s handbook takes a broad look at web application security and exposes the steps a hacker can take to attack an application while providing information on how the application can defend itself fully updated for the latest security trends and threats this guide covers remoting frameworks html5 and cross domain integration techniques along with clickjacking framebusting http parameter pollution xml external entity injection hybrid file attacks and more the malware analyst s cookbook includes a book and dvd and is designed to enhance the analytical capabilities of anyone who works with malware whether you re tracking a trojan across networks performing an in depth binary analysis or inspecting a machine for potential infections the recipes in this book will help you go beyond the basic tools for tackling security challenges to cover how to extend your favorite tools or build your own from scratch using c python and perl source code the companion dvd features all the files needed to work through the recipes in the book and to complete reverse engineering challenges along the way the attack and defend computer security set gives your organization the security tools needed to sound the alarm and stand your ground against malicious threats lurking online

How to Hack Like a Ghost

2021-05-11

how to hack like a ghost takes you deep inside the mind of a hacker as you carry out a fictionalized attack against a tech company teaching cutting edge hacking techniques along the way go deep into the mind of a master hacker as he breaks into a hostile cloud based security environment sparc flow invites you to shadow him every step of the way from recon to infiltration as you hack a shady data driven political consulting firm while the target is fictional the corporation s vulnerabilities are based on real life weaknesses in today s advanced cybersecurity defense systems you ll experience all the thrills frustrations dead ends and eureka moments of his mission first hand while picking up practical cutting edge techniques for penetrating cloud technologies there are no do overs for hackers so your training starts with basic opsec procedures using an ephemeral os tor bouncing servers and detailed code to build an anonymous replaceable hacking infrastructure guaranteed to avoid detection from there you ll examine some effective recon techniques develop tools from scratch and deconstruct low level features in common systems to gain access to the target spark flow s clever insights witty reasoning and stealth maneuvers teach you how to think on your toes and adapt his skills to your own hacking tasks you ll learn how to set up and use an array of disposable machines that can renew in a matter of seconds to change your internet footprint how to do effective recon like harvesting hidden domains and taking advantage of devops automation systems to trawl for credentials how to look inside and gain access to aws s storage systems how cloud security systems like kubernetes work and how to hack them dynamic techniques for escalating privileges packed with interesting tricks ingenious tips and links to external resources this fast paced hands on guide to penetrating modern cloud systems will help hackers of all stripes succeed on their next adventure

The Car Hacker's Handbook

2016-03-01

modern cars are more computerized than ever infotainment and navigation systems wi fi automatic software updates and other innovations aim to make driving more convenient but vehicle technologies haven t kept pace with today s more hostile security environment leaving millions vulnerable to attack the car hacker s handbook will give you a deeper understanding of the computer systems and embedded software in modern vehicles it begins by examining vulnerabilities and providing detailed explanations of communications over the can bus and between devices and systems then once you have an understanding of a vehicle s communication network you ll learn how to intercept data and perform specific hacks to track vehicles unlock doors glitch engines flood communication and more with a focus on low cost open source hacking tools such as metasploit wireshark kayak can utils and chipwhisperer the car hacker s handbook will show you how to build an accurate threat model for your vehicle reverse engineer the can bus to fake engine signals exploit vulnerabilities in diagnostic and data logging systems hack the ecu and other firmware and embedded systems feed exploits through infotainment and vehicle to vehicle communication systems override factory settings with performance tuning techniques build physical and virtual test benches to try out exploits safely if you re curious about automotive security and have the urge to hack a two ton computer make the car hacker s handbook your first stop

Hacking

2021-01-04

4 manuscripts in 1 book have you always been interested and fascinated by the world of hacking do you wish to learn more about networking do you want to know how to protect your system from being compromised and learn about advanced security protocols if you want to understand how to hack from basic level to advanced keep reading this book set includes book 1 hacking for beginners step by step guide to cracking codes discipline

penetration testing and computer virus learning basic security tools on how to ethical hack and grow book 2 hacker basic security learning effective methods of security and how to manage the cyber risks awareness program with attack and defense strategy tools art of exploitation in hacking book 3 networking hacking complete guide tools for computer wireless network technology connections and communications system practical penetration of a network via services and hardware book 4 kali linux for hackers computer hacking guide learning the secrets of wireless penetration testing security tools and techniques for hacking with kali linux network attacks and exploitation the first book hacking for beginners will teach you the basics of hacking as well as the different types of hacking and how hackers think by reading it you will not only discover why they are attacking your computers but you will also be able to understand how they can scan your system and gain access to your computer the second book hacker basic security contains various simple and straightforward strategies to protect your devices both at work and at home and to improve your understanding of security online and fundamental concepts of cybersecurity the third book networking hacking will teach you the basics of a computer network countermeasures that you can use to prevent a social engineering and physical attack and how to assess the physical vulnerabilities within your organization the fourth book kali linux for hackers will help you understand the better use of kali linux and it will teach you how you can protect yourself from most common hacking attacks kali linux is popular among security experts it allows you to examine your own systems for vulnerabilities and to simulate attacks below we explain the most exciting parts of the book set an introduction to hacking google hacking and hacking fingerprinting different types of attackers defects in software the basics of a computer network how to select the suitable security assessment tools social engineering how to crack passwords network security linux tools exploitation of security holes the fundamentals and importance of cybersecurity types of cybersecurity with threats and attacks how to prevent data security breaches computer virus and prevention techniques cryptography and there s so much more to learn follow me and let s dive into the world of hacking don t keep waiting to start your new journey as a hacker get started now and order your copy today

The Database Hacker's Handbook

2005-07-14

this handbook covers how to break into and how to defend the most popular database server software

Rtfm

2014-02-11

the red team field manual rtfm is a no fluff but thorough reference guide for serious red team members who routinely find themselves on a mission without google or the time to scan through a man page the rtfm contains the basic syntax for commonly used linux and windows command line tools but it also encapsulates unique use cases for powerful tools such as python and windows powershell the rtfm will repeatedly save you time looking up the hard to remember windows nuances such as windows wmic and dsquery command line tools key registry values scheduled tasks syntax startup locations and windows scripting more importantly it should teach you some new red team techniques

In the Beginning...Was the Command Line

2009-10-13

this is the word one man s word certainly about the art and artifice of the state of our computer centric existence and considering that the one man is neal stephenson the hacker hemingway newsweek acclaimed novelist pragmatist seer nerd friendly philosopher and nationally bestselling author of groundbreaking literary works snow crash cryptonomicon etc etc the word is well worth hearing mostly well reasoned examination and partial rant stephenson s in the beginning was the command line is a thoughtful irreverent hilarious treatise on the cyber culture past and present on operating system tyrannies and downloaded popular revolutions on the internet disney world big bangs not to mention the meaning of life itself

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