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Web Application Security, A Beginner's Guide Hacking Web Apps Web Application Vulnerabilities The Web Application Hacker's Handbook Web Application Security Security Strategies in Web Applications and Social Networking Developer's Guide to Web Application Security Hands-on Penetration Testing for Web Applications Hands-On Application Penetration Testing with Burp Suite The Manager's Guide to Web Application Security Web Application Vulnerabilities and Prevention Web Application Defender's Cookbook Hands-On Web Penetration Testing with Metasploit The Basics of Web Hacking The Web Application Hacker's Handbook Secure Web Application Deployment Using Owasp Standards How to Break Web Software Bug Bounty Hunting for Web Security The pros and cons of modern web application security flaws and possible solutions Hacking APIs Hacking and Securing Web Applications Hacking Exposed Penetration Testing of Computer Networks Using BurpSuite and Various Penetration Testing Tools Hacking Exposed Web 2.0: Web 2.0 Security Secrets and Solutions How to Attack and Defend Your Website Hacking Exposed Web Applications, Second Edition OWASP Top 10 Vulnerabilities Web Application Security 10 Way to Hack Web Applications Learning Python Web Penetration Testing ASP.NET Core 5 Secure Coding Cookbook Review of Web Applications Security and Intrusion Detection in Air Traffic Control Systems Kali Linux Intrusion and Exploitation Cookbook The Penetration Tester's Guide to Web Applications Practical Web Penetration Testing Building Next-Generation Converged Networks Advanced Research on Electronic Commerce, Web Application, and Communication Detection of Intrusions and Malware, and Vulnerability Assessment Web Security Portable Reference Kali Linux 2 – Assuring Security by Penetration Testing

Web Application Security, A Beginner's Guide *2011-12-06*

security smarts for the self guided it professional get to know the hackers or plan on getting hacked sullivan and liu have created a savvy essentials based approach to web app security packed with immediately applicable tools for any information security practitioner sharpening his or her tools or just starting out ryan mcgeehan security manager facebook inc secure web applications from today s most devious hackers application security a beginner s guide helps you stock your security toolkit prevent common hacks and defend quickly against malicious attacks this practical resource includes chapters on authentication authorization and session management along with browser database and file security all supported by true stories from industry you ll also get best practices for vulnerability detection and secure development as well as a chapter that covers essential security fundamentals this book s templates checklists and examples are designed to help you get started right away application security a beginner s guide features lingo common security terms defined so that you re in the know on the job imho frank and relevant opinions based on the authors years of industry experience budget note tips for getting security technologies and processes into your organization s budget in actual practice exceptions to the rules of security explained in real world contexts your plan customizable checklists you can use on the job now into action tips on how why and when to apply new skills and techniques at work

Hacking Web Apps *2012-08-29*

html5 html injection cross site scripting xss cross site request forgery csrf sql injection data store manipulation breaking authentication schemes abusing design deficiencies leveraging platform weaknesses browser privacy attacks

Web Application Vulnerabilities 2011-04-18

in this book we aim to describe how to make a computer bend to your will by finding and exploiting vulnerabilities specifically in applications we will describe common security issues in applications tell you how to find them describe how to exploit them and then tell you how to fix them we will also cover how and why some hackers the bad guys will try to exploit these vulnerabilities to achieve their own end we will also try to explain how to detect if hackers are actively trying to exploit vulnerabilities in your own applications learn to defend based applications developed with ajax soap xmlprc and more see why cross site scripting attacks can be so devastating

The Web Application Hacker's Handbook *2011-08-31*

the highly successful security book returns with a new edition completely updated applications are the front door to most organizations exposing them to attacks that may disclose personal information execute fraudulent transactions or compromise ordinary users this practical book has been completely updated and revised to discuss the latest step by step techniques for attacking and defending the range of ever evolving web applications you ll explore the various new technologies employed in web applications that have appeared since the first edition and review the new attack techniques that have been developed particularly in relation to the client side reveals how to overcome the new technologies and techniques aimed at defending web applications against attacks that have appeared since the previous edition discusses new remoting frameworks html5 cross domain integration techniques ui redress framebusting http parameter pollution hybrid file attacks and more features a companion web site hosted by the authors that allows readers to try out the attacks described gives answers to the questions that are posed at the end of each chapter and provides a summarized methodology and checklist of tasks focusing on the areas of web application security where things have changed in recent years this book is the most current resource on the critical topic of discovering exploiting and preventing web application security flaws

Web Application Security *2020-03-02*

while many resources for network and it security are available detailed knowledge regarding modern web application security has been lacking until now this practical guide provides both offensive and defensive security concepts that software engineers can easily learn and apply andrew hoffman a senior security engineer at salesforce introduces three pillars of web application security recon offense and defense you ll learn methods for effectively researching and analyzing modern web applications including those you don t have direct access to you ll also learn how to break into web applications using the latest hacking techniques finally you ll learn how to develop mitigations for use in your own web applications to protect against hackers explore common vulnerabilities plaguing today s web applications learn essential hacking techniques attackers use to exploit applications map and document web applications for which you don t have direct access develop and deploy customized exploits that can bypass common defenses develop and deploy mitigations to protect your applications against hackers integrate secure coding best practices into your development lifecycle get practical tips to help you improve the overall security of your web applications

Security Strategies in Web Applications and Social Networking 2011-12-29

networking security

Developer's Guide to Web Application Security 2011-04-18

over 75 of network attacks are targeted at the web application layer this book provides explicit hacks tutorials penetration tests and step by step demonstrations for security professionals and application developers to defend their most vulnerable applications this book defines application security why it should be addressed earlier in the lifecycle in development and quality assurance and how it differs from other types of internet security additionally the book examines the procedures and technologies that are essential to developing penetration testing and releasing a secure application through a review of recent application breaches the book will expose the prolific methods hackers use to execute attacks using common vulnerabilities such as sql injection cross site scripting and buffer overflows in the application layer by taking an in depth look at the techniques hackers use to exploit applications readers will be better equipped to protect confidential the yankee group estimates the market for application security products and services will grow to 1 74 billion by 2007 from 140 million in 2002 author michael cross is a highly sought after speaker who regularly delivers application presentations at leading conferences including black hat technosecurity cansec west shmoo con information security rsa conferences and more

Hands-on Penetration Testing for Web Applications *2021-03-27*

learn how to build an end to end application security testing framework Ê key featuresÊÊ exciting coverage on vulnerabilities and security loopholes in modern web applications practical exercises and case scenarios on performing pentesting and identifying security breaches cutting edge offerings on implementation of tools including nmap burp suite and wireshark descriptionÊ hands on penetration testing for applications offers readers with knowledge and skillset to identify exploit and control the security vulnerabilities present in commercial web applications including online banking mobile payments and e commerce applications we begin with exposure to modern application vulnerabilities present in web applications you will learn and gradually practice the core concepts of penetration testing and owasp top ten vulnerabilities including injection broken authentication and access control security misconfigurations and cross site scripting xss you will then gain advanced skillset by exploring the methodology of security testing and how to work around security testing as a true security professional this book also brings cutting edge coverage on exploiting and detecting vulnerabilities such as authentication flaws session flaws access control flaws input validation flaws etc you will discover an end to end implementation of tools such as nmap burp suite and wireshark you will then learn to practice how to execute web application intrusion testing in automated testing tools and also to analyze vulnerabilities and threats present in the source codes by the end of this book you will gain in depth knowledge of web application testing framework and strong proficiency in exploring and building high secured web applications what you will learn complete overview of concepts of web penetration testing learn to secure against owasp top 10 web vulnerabilities practice different techniques and signatures for identifying vulnerabilities in the source code of the web application discover security flaws in your web application using most popular tools like nmap and wireshark learn to respond modern automated cyber attacks with the help of expert led tips and tricks exposure to analysis of vulnerability codes security automation tools and common security flaws who this book is forÊÊ this book is for penetration testers ethical hackers and web application developers people who are new to security testing will also find this book useful basic knowledge of html javascript would be an added advantage table of contents 1 why application security 2 modern application vulnerabilities 3 pentesting methodology 4 testing authentication 5 testing session management 6 testing secure channels 7 testing secure access control 8 sensitive data and information disclosure 9 testing secure data validation 10 attacking application users other techniques 11 testing configuration and deployment 12 automating custom attacks 13 pentesting tools 14 static code analysis 15 mitigations and core defense mechanisms

Hands-On Application Penetration Testing with Burp Suite *2019-02-28*

test fuzz and break web applications and services using burp suite s powerful capabilities key featuresmaster the skills to perform various types of security tests on your web applicationsget hands on experience working with components like scanner proxy intruder and much morediscover the best way to penetrate and test web applicationsbook description burp suite is a set of graphic tools focused towards penetration testing of web applications burp suite is widely used for web penetration testing by many security professionals for performing different web level security tasks the book starts by setting up the environment to begin an application penetration test you will be able to configure the client and apply target whitelisting you will also learn to setup and configure android and ios devices to work with burp suite the book will explain how various features of burp suite can be used to detect various vulnerabilities as part of an application penetration test once detection is completed and the vulnerability is confirmed you will be able to exploit a detected vulnerability using burp suite the book will also covers advanced concepts like writing extensions and macros for burp suite finally you will discover various steps that are taken to identify the target discover weaknesses in the authentication mechanism and finally break the authentication implementation to gain access to the administrative console of the application by the end of this book you will be able to effectively perform end to end penetration testing with burp suite what you will learnset up burp suite and its configurations for an application penetration testproxy application traffic from browsers and mobile devices to the serverdiscover and identify application security issues in various scenariosexploit discovered vulnerabilities to execute commandsexploit discovered vulnerabilities to gain access to data in various datastoreswrite your own burp suite plugin and explore the infiltrator modulewrite macros to automate tasks in burp suitewho this book is for if you are interested in learning how to test web applications and the web part of mobile applications using burp then this is the book for you it is specifically designed to meet your needs if you have basic experience in using burp and are now aiming to become a professional burp user

The Manager's Guide to Web Application Security *2014-12-26*

the manager s guide to application security is a concise information packed guide to application security risks every organization faces written in plain language with guidance on how to deal with those issues quickly and effectively often security vulnerabilities are difficult to understand and quantify because they are the result of intricate programming deficiencies and highly technical issues author and noted industry expert ron lepofsky breaks down the technical barrier and identifies many real world examples of security vulnerabilities commonly found by it security auditors translates them into business risks with identifiable consequences and provides practical guidance about mitigating them the manager s guide to application security describes how to fix and prevent these vulnerabilities in easy to understand discussions of vulnerability classes and their remediation for easy reference the information is also presented schematically in excel spreadsheets available to readers for free download from the publisher s digital annex the book is current concise and to the point which is to help managers cut through the technical jargon and make the business decisions required to find fix and prevent serious vulnerabilities

Web Application Vulnerabilities and Prevention *2019-08-19*

this book explains different types of web application vulnerabilities how these vulnerabilities make a web application less secure and how each of these vulnerabilities can be prevented this book may benefit readers who want to understand different web application vulnerabilities as well as help developers who want to secure their code

Web Application Defender's Cookbook *2013-01-04*

defending your web applications against hackers and attackers the top selling book application hacker s handbook showed how attackers and hackers identify and attack vulnerable live web applications this new application defender s cookbook is the perfect counterpoint to that book it shows you how to defend authored by a highly credentialed defensive security expert this new book details defensive security methods and can be used as courseware for training network security personnel web server administrators and security consultants each recipe shows you a way to detect and defend against malicious behavior and provides working code examples for the modsecurity web application firewall module topics include identifying vulnerabilities setting hacker traps defending different access points enforcing application flows and much more provides practical tactics for detecting web attacks and malicious behavior and defending against them written by a preeminent authority on web application firewall technology and web application defense tactics offers a series of recipes that include working code examples for the open source modsecurity web application firewall module find the tools techniques and expert information you need to detect and respond to web application attacks with application defender s cookbook battling hackers and protecting users

Hands-On Web Penetration Testing with Metasploit *2020-05-22*

identify exploit and test web application security with ease key featuresget up to speed with metasploit and discover how to use it for pentestingunderstand how to exploit and protect your web environment effectivelylearn how an exploit works and what causes vulnerabilitiesbook description metasploit has been a crucial security tool for many years however there are only a few modules that metasploit has made available to the public for pentesting web applications in this book you ll explore another aspect of the framework web applications which is not commonly used you ll also discover how metasploit when used with its inbuilt gui simplifies web application penetration testing the book starts by focusing on the metasploit setup along with covering the life cycle of the penetration testing process then you will explore metasploit terminology and the web gui which is available in the metasploit community edition next the book will take you through pentesting popular content management systems such as drupal wordpress and joomla which will also include studying the latest cves and understanding the root cause of vulnerability in detail later you ll gain insights into the vulnerability assessment and exploitation of technological platforms such as jboss jenkins and tomcat finally you ll learn how to fuzz web applications to find logical security vulnerabilities using third party tools by the end of this book you ll have a solid understanding of how to exploit and validate vulnerabilities by working with various tools and techniques what you will learnget up to speed with setting up and installing the metasploit frameworkgain first hand experience of the metasploit web interfaceuse metasploit for web application reconnaissanceunderstand how to pentest various content management systemspentest platforms such as jboss tomcat and jenkinsbecome well versed with fuzzing web applicationswrite and automate penetration testing reportswho this book is for this book is for web security analysts bug bounty hunters security professionals or any stakeholder in the security sector who wants to delve into web application security testing professionals who are not experts with command line tools or kali linux and prefer metasploit s graphical user interface gui will also find this book useful no experience with metasploit is required but basic knowledge of linux and web application pentesting will be helpful

The Basics of Web Hacking 2013-06-18

the basics of hacking introduces you to a tool driven process to identify the most widespread vulnerabilities in applications no prior experience is needed apps are a path of least resistance that can be exploited to cause the most damage to a system with the lowest hurdles to overcome this is a perfect storm for beginning hackers the process set forth in this book introduces not only the theory and practical information related to these vulnerabilities but also the detailed configuration and usage of widely available tools necessary to exploit these vulnerabilities the basics of hacking provides a simple and clean explanation of how to utilize tools such as burp suite sqlmap and zed attack proxy zap as well as basic network scanning tools such as nmap nikto nessus metasploit john the ripper web shells netcat and more dr josh pauli teaches software security at dakota state university and has presented on this topic to the u s department of homeland security the nsa blackhat briefings and defcon he will lead you through a focused three part approach to security including hacking the server hacking the app and hacking the user with dr pauli s approach you will fully understand the what where why how of the most widespread vulnerabilities and how easily they can be exploited with the correct tools you will learn how to set up a safe environment to conduct these attacks including an attacker virtual machine vm with all necessary tools and several known vulnerable application vms that are widely available and maintained for this very purpose once you complete the entire process not only will you be prepared to test for the most damaging exploits you will also be prepared to conduct more advanced hacks that mandate a strong base of knowledge provides a simple and clean approach to hacking including hands on examples and exercises that are designed to teach you how to hack the server hack the app and hack the user covers the most significant new tools such as nmap nikto nessus metasploit john the ripper web shells netcat and more written by an author who works in the field as a penetration tester and who teaches security classes at dakota state university

The Web Application Hacker's Handbook *2008*

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

Secure Web Application Deployment Using Owasp Standards *2017-05-10*

applications of today s world are facing many threats that makes the job of the security analyst a challenging one the zero day vulnerabilities faced by the websites are one another great threat towards the protections engines the portrait display vulnerability of software makes hp fujitsu and philips notebooks is the one which was recently explored in the security world to defend these latest and zero day attacks we need strong and round the clock mechanism that enables protection the objective of this research is to design and develop an application level security architecture for securing web applications against the vulnerabilities mentioned in owasp and cve to illustrate the research an event management website for student welfare office of vellore institute of technology chennai campus is developed and tested the deployment is done using wamp architecture java script html3 and css3 with database support enabled this research addresses vulnerabilities mentioned in owasp and cve such as sql injection cross site scripting cross site request forgery unvalidated redirects and forwards file upload vulnerability and missing functional level access control detection and prevention mechanism is developed for the removing the vulnerabilities and their influences in all the aspects of the web application this books will be useful for all for creating secured website

How to Break Web Software *2006-02-02*

rigorously test and improve the security of all your software it s as certain as death and taxes hackers will mercilessly attack your sites applications and services if you re vulnerable you d better discover these attacks yourself before the black hats do now there s a definitive hands on guide to security testing any based software how to break software in this book two renowned experts address every category of software exploit attacks on clients servers state user inputs and more you ll master powerful attack tools and techniques as you uncover dozens of crucial widely exploited flaws in architecture and coding the authors reveal where to look for potential threats and attack vectors how to rigorously test for each of them and how to mitigate the problems you find coverage includes client vulnerabilities including attacks on client side validation state based attacks hidden fields cgi parameters cookie poisoning url jumping and session hijacking attacks on user supplied inputs cross site scripting sql injection and directory traversal language and technology based attacks buffer overflows canonicalization and null string attacks server attacks sql injection with stored procedures command injection and server fingerprinting cryptography privacy and attacks on services your software is mission critical it can t be compromised whether you re a developer tester qa specialist or it manager this book will help you protect that software systematically

Bug Bounty Hunting for Web Security *2019-11-12*

start with the basics of bug hunting and learn more about implementing an offensive approach by finding vulnerabilities in web applications getting an introduction to kali linux you will take a close look at the types of tools available to you and move on to set up your virtual lab you will then discover how request forgery injection works on web pages and applications in a mission critical setup moving on to the most challenging task for any web application you will take a look at how cross site scripting works and find out about effective ways to exploit it you will then learn about header injection and url redirection along with key tips to find vulnerabilities in them keeping in mind how attackers can deface your website you will work with malicious files and automate your approach to defend against these attacks moving on to sender policy framework spf you will see tips to find vulnerabilities in it and exploit them following this you will get to know how unintended xml injection and command injection work to keep attackers at bay finally you will examine different attack vectors used to exploit html and sql injection overall bug bounty hunting for security will help you become a better penetration tester and at the same time it will teach you how to earn bounty by hunting bugs in web applications what you will learn implement an offensive approach to bug hunting create and manage request forgery on web pages poison sender policy framework and exploit it defend against cross site scripting xss attacks inject headers and test url redirection work with malicious files and command injectionresist strongly unintended xml attacks who this book is for white hat hacking enthusiasts who are new to bug hunting and are interested in understanding the core concepts

The pros and cons of modern web application security flaws and possible solutions 2018-06-11

academic paper from the year 2018 in the subject computer science it security grade 10 course master thesis language english abstract modern web applications have higher user expectations and greater demands than ever before the security of these applications is no longer optional it has become an absolute necessity applications contain vulnerabilities which may lead to serious security flaws such as stealing of confidential information to protect against security flaws it is important to understand the detailed steps of attacks and the pros and cons of existing possible solutions the goal of this paper is to research modern web application security flaws and vulnerabilities it then describes steps by steps possible approaches to mitigate them

Hacking APIs *2022-07-12*

hacking apis is a crash course in web api security testing that will prepare you to penetration test apis reap high rewards on bug bounty programs and make your own apis more secure hacking apis is a crash course on web api security testing that will prepare you to penetration test apis reap high rewards on bug bounty programs and make your own apis more secure you ll learn how rest and graphql apis work in the wild and set up a streamlined api testing lab with burp suite and postman then you ll master tools useful for reconnaissance endpoint analysis and fuzzing such as kiterunner and owasp amass next you ll learn to perform common attacks like those targeting an api s authentication mechanisms and the injection vulnerabilities commonly found in web applications you ll also learn techniques for bypassing protections against these attacks in the book s nine guided labs which target intentionally vulnerable apis you ll practice enumerating apis users and endpoints using fuzzing techniques using postman to discover an excessive data exposure vulnerability performing a json token attack against an api authentication process combining multiple api attack techniques to perform a nosql injection attacking a graphql api to uncover a broken object level authorization vulnerability by the end of the book you ll be prepared to uncover those high payout api bugs other hackers aren t finding and improve the security of applications on the web

Hacking and Securing Web Applications *2015-12-07*

in this book you will be learning the basic techniques about how to test and penetrate a application for the purpose of this book we will be using a vulnerable application called dvwa damn vulnerable application on an ubuntu operating system and try to use different methods of hacking or penetrating the system

Hacking Exposed *2002*

featuring in depth coverage of the technology platforms surrounding applications and attacks this guide has specific case studies in the popular hacking exposed format

Penetration Testing of Computer Networks Using BurpSuite and Various Penetration Testing Tools 2023-02-24

burp suite is an integrated platform graphical tool for performing security testing of web applications burp suite is a java application that can be used to secure or crack web applications the suite consists of different tools like a proxy server a web spider an intruder and a so called repeater with which requests can be automated you can use burp s automated and manual tools to obtain detailed information about your target applications damn vulnerable app dvwa is a php mysql web application that is damn vulnerable its main goals are to be an aid for security professionals to test their skills and tools in a legal environment help web developers better understand the processes of securing web applications and aid teachers students to teach learn web application security in a class room environment in this report i am using a combination of burp tools to detect and exploit vulnerabilities in damn vulnerable app dvwa with low security by default burp scanner scans all requests and responses that pass through the proxy burp lists any issues that it identifies under issue activity on the dashboard you can also use burp scanner to actively audit for vulnerabilities scanner sends additional requests and analyzes the application s traffic and behavior to identify issues various examples are outlined in this report for different types of vulnerabilities such as sql injection cross site request forgery csrf cross site scripting file upload local and remote file inclusion i tested various types of penetration testing tools in order to exploit different types of vulnerabilities the report consists from the following parts 1 installing and configuring burpsuite 2 burpsuite intruder 3 installing xmapp and dvwa app in windows system 4 installing php mysql apache2 python and dvwa app in kali linux 5 scanning kali linux and windows using 6 understanding netcat reverse shells and bind shells 7 adding burps certificate to browser 8 setting up target scope in burpsuite 9 scanning using burpsuite 10 scan results for sql injection vulnerability with burpsuite and using sqlmap to exploit the sql injection 11 scan results for operating system command injection vulnerability with burpsuite and using commix to exploit the os command injection 12 scan results for cross side scripting xss vulnerability with burpsuite using xserve to exploit xss injection and stealing login session cookies through the xss injection 13 exploiting file upload vulnerability 14 exploiting cross site request forgery csrf vulnerability 15 exploiting file inclusion vulnerability 16 references

Hacking Exposed Web 2.0: Web 2.0 Security Secrets and Solutions *2008-01-07*

lock down next generation services this book concisely identifies the types of attacks which are faced daily by 2 0 sites and the authors give solid practical advice on how to identify and mitigate these threats max kelly cissp cipp cfce senior director of security facebook protect your 2 0 architecture against the latest wave of cybercrime using expert tactics from internet security professionals hacking exposed 2 0 shows how hackers perform reconnaissance choose their entry point and attack 2 0 based services and reveals detailed countermeasures and defense techniques you ll learn how to avoid injection and buffer overflow attacks fix browser and plug in flaws and secure ajax flash and xml driven applications real world case studies illustrate social networking site weaknesses cross site attack methods migration vulnerabilities and ie7 shortcomings plug security holes in 2 0 implementations the proven hacking exposed way learn how hackers target and abuse vulnerable 2 0 applications browsers plug ins online databases user inputs and html forms prevent 2 0 based sql xpath xquery ldap and command injection attacks circumvent xxe directory traversal and buffer overflow exploits learn xss and cross site request forgery methods attackers use to bypass browser security controls fix vulnerabilities in outlook express and acrobat reader add ons use input validators and xml classes to reinforce asp and net security eliminate unintentional exposures in asp net ajax atlas direct remoting sajax and gwt applications mitigate activex security exposures using sitelock code signing and secure controls find and fix adobe flash vulnerabilities and dns rebinding attacks

How to Attack and Defend Your Website *2014-12-05*

how to attack and defend your website is a concise introduction to web security that includes hands on web hacking tutorials the book has three primary objectives to help readers develop a deep understanding of what is happening behind the scenes in a web application with a focus on the http protocol and other underlying web technologies to teach readers how to use the industry standard in free web application vulnerability discovery and exploitation tools most notably burp suite a fully featured web application testing tool and finally to gain knowledge of finding and exploiting the most common web security vulnerabilities this book is for information security professionals and those looking to learn general penetration testing methodology and how to use the various phases of penetration testing to identify and exploit common web protocols how to attack and defend your website is be the first book to combine the methodology behind using penetration testing tools such as burp suite and damn vulnerable application dvwa with practical exercises that show readers how to and therefore how to prevent pwning with sqlmap and using stored xss to deface web pages learn the basics of penetration testing so that you can test your own website s integrity and security discover useful tools such as burp suite dvwa and sqlmap gain a deeper understanding of how your website works and how best to protect it

Hacking Exposed Web Applications, Second Edition *2010-06-27*

implement bulletproof e business security the proven hacking exposed way defend against the latest based attacks by looking at your applications through the eyes of a malicious intruder fully revised and updated to cover the latest exploitation techniques hacking exposed applications second edition shows you step by step how cyber criminals target vulnerable sites gain access steal critical data and execute devastating attacks all of the cutting edge threats and vulnerabilities are covered in full detail alongside real world examples case studies and battle tested countermeasures from the authors experiences as gray hat security professionals

OWASP Top 10 Vulnerabilities *101-01-01*

discover the ultimate application security book bundle owasp top 10 vulnerabilities are you ready to fortify your web applications against the ever evolving threats of the digital world dive into the owasp top 10 vulnerabilities book bundle a comprehensive collection of four distinct books tailored to meet the needs of both beginners and experts in web application security book 1 application security 101 a beginner s guide to owasp top 10 vulnerabilities perfect for beginners this book provides a solid foundation in web application security demystify the owasp top 10 vulnerabilities and learn the essentials to safeguard your applications book 2 mastering owasp top 10 a comprehensive guide to application security whether you re an intermediate learner or a seasoned professional this book is your key to mastering the intricacies of the owasp top 10 vulnerabilities strengthen your skills and protect your applications effectively book 3 advanced application security beyond the owasp top 10 ready to go beyond the basics explore advanced security concepts emerging threats and in depth mitigation strategies in this book designed for those who crave deeper knowledge book 4 the ultimate owasp top 10 handbook expert insights and mitigation strategies dive into the wisdom and experiences of industry experts bridge the gap between theory and practice with real world strategies making you a true security champion why choose the owasp top 10 vulnerabilities book bundle comprehensive coverage from beginners to experts this bundle caters to all skill levels real world strategies learn from industry experts and apply their insights to your projects stay ahead keep up with evolving threats and protect your web applications effectively ultimate knowledge master the owasp top 10 vulnerabilities and advanced security concepts complete your security library with this bundle and equip yourself with the tools and insights needed to defend against cyber threats protect your sensitive data user privacy and organizational assets with confidence don t miss out on this opportunity to become a guardian of the digital realm invest in the owasp top 10 vulnerabilities book bundle today and take the first step toward securing your web applications comprehensively get your bundle now

Web Application Security *2024-01-17*

in the first edition of this critically acclaimed book andrew hoffman defined the three pillars of application security reconnaissance offense and defense in this revised and updated second edition he examines dozens of related topics from the latest types of attacks and mitigations to threat modeling the secure software development lifecycle ssdl sdlc and more hoffman senior staff security engineer at ripple also provides information regarding exploits and mitigations for several additional web application technologies such as graphql cloud based deployments content delivery networks cdn and server side rendering ssr following the curriculum from the first book this second edition is split into three distinct pillars comprising three separate skill sets pillar 1 recon learn techniques for mapping and documenting web applications remotely including procedures for working with web applications pillar 2 offense explore methods for attacking web applications using a number of highly effective exploits that have been proven by the best hackers in the world these skills are valuable when used alongside the skills from pillar 3 pillar 3 defense build on skills acquired in the first two parts to construct effective and long lived mitigations for each of the attacks described in pillar 2

10 Way to Hack Web Applications *2020-03-31*

although there are literally hundreds of ways of hacking web applications they can be grouped into eight 10 basic ways with this book you will learn why and how to build java web apps secured from the most common security hacks ways to protect against based application hacks application penetration testing security vulnerability s how to code injection owasp java css html buy and learn now

Learning Python Web Penetration Testing *2016*

this course will walk you through the web application penetration testing methodology showing you how to write your own tools with python for every main activity in the process it will show you how to test for security vulnerabilities in web applications just like security professionals and hackers do the course starts off by providing an overview of the web application penetration testing process and the tools used by professionals to perform these tests then we provide an introduction to http and how to interact with web applications using python and the requests library then will follow the web application penetration testing methodology and cover each section with a supporting python example to finish off we test these tools against a vulnerable web application created specifically for this course resource description page

ASP.NET Core 5 Secure Coding Cookbook 2021-07-16

learn how to secure your asp net core web app through robust and secure code key featuresdiscover the different types of security weaknesses in asp net core web applications and learn how to fix themunderstand what code makes an asp net core web app unsafebuild your secure coding knowledge by following straightforward recipesbook description asp net core developers are often presented with security test results showing the vulnerabilities found in their web apps while the report may provide some high level fix suggestions it does not specify the exact steps that you need to take to resolve or fix weaknesses discovered by these tests in asp net secure coding cookbook you ll start by learning the fundamental concepts of secure coding and then gradually progress to identifying common web app vulnerabilities in code as you progress you ll cover recipes for fixing security misconfigurations in asp net core web apps the book further demonstrates how you can resolve different types of cross site scripting a dedicated section also takes you through fixing miscellaneous vulnerabilities that are no longer in the owasp top 10 list this book features a recipe style format with each recipe containing sample unsecure code that presents the problem and corresponding solutions to eliminate the security bug you ll be able to follow along with each step of the exercise and use the accompanying sample asp net core solution to practice writing secure code by the end of this book you ll be able to identify unsecure code causing different security flaws in asp net core web apps and you ll have gained hands on experience in removing vulnerabilities and security defects from your code what you will learnunderstand techniques for squashing an asp net core web app security bugdiscover different types of injection attacks and understand how you can prevent this vulnerability from being exploitedfix security issues in code relating to broken authentication and authorizationeliminate the risks of sensitive data exposure by getting up to speed with numerous protection techniquesprevent security misconfiguration by enabling asp net core web application security featuresexplore other asp net web application vulnerabilities and secure coding best practiceswho this book is for this asp net core book is for intermediate level asp net core web developers and software engineers who use the framework to develop web applications and are looking to focus on their security using coding best practices the book is also for application security engineers analysts and specialists who want to know more about securing asp net core using code and understand how to resolve issues identified by the security tests they perform daily

Review of Web Applications Security and Intrusion Detection in Air Traffic Control Systems *2009-09*

the need to protect air traffic control atc systems from cyber attacks requires enhanced attention because the faa has increasingly turned toward the use of commercial software and internet protocol ip based technologies to modernize atc systems now attackers can take advantage of software vulnerabilities in commercial ip products to exploit atc systems which is worrisome at a time when america is facing increased threats from sophisticated cyber attacks this audit determined whether 1 applications used in supporting atc operations are properly secured to prevent unauthorized access to atc systems and 2 faa s network intrusion detection capability is effective in monitoring atc cyber security incidents illustrations

Kali Linux Intrusion and Exploitation Cookbook 2017-04-21

over 70 recipes for system administrators or devops to master kali linux 2 and perform effective security assessments about this book set up a penetration testing lab to conduct a preliminary assessment of attack surfaces and run exploits improve your testing efficiency with the use of automated vulnerability scanners work through step by step recipes to detect a wide array of vulnerabilities exploit them to analyze their consequences and identify security anomalies who this book is for this book is intended for those who want to know more about information security in particular it s ideal for system administrators and system architects who want to ensure that the infrastructure and systems they are creating and managing are secure this book helps both beginners and intermediates by allowing them to use it as a reference book and to gain in depth knowledge what you will learn understand the importance of security assessments over merely setting up and managing systems processes familiarize yourself with tools such as openvas to locate system and network vulnerabilities discover multiple solutions to escalate privileges on a compromised machine identify security anomalies in order to make your infrastructure secure and further strengthen it acquire the skills to prevent infrastructure and application vulnerabilities exploit vulnerabilities that require a complex setup with the help of metasploit in detail with the increasing threats of breaches and attacks on critical infrastructure system administrators and architects can use kali linux 2 0 to ensure their infrastructure is secure by finding out known vulnerabilities and safeguarding their infrastructure against unknown vulnerabilities this practical cookbook style guide contains chapters carefully structured in three phases information gathering vulnerability assessment and penetration testing for the web and wired and wireless networks it s an ideal reference guide if you re looking for a solution to a specific problem or learning how to use a tool we provide hands on examples of powerful tools scripts designed for exploitation in the final section we cover various tools you can use during testing and we help you create in depth reports to impress management we provide system engineers with steps to reproduce issues and fix them style and approach this practical book is full of easy to follow recipes with based on real world problems faced by the authors each recipe is divided into three sections clearly defining what the recipe does what you need and how to do it the carefully structured recipes allow you to go directly to your topic of interest

The Penetration Tester's Guide to Web Applications *2019-06-30*

this innovative new resource provides both professionals and aspiring professionals with clear guidance on how to identify and exploit common web application vulnerabilities the book focuses on offensive security and how to attack web applications it describes each of the open application security project owasp top ten vulnerabilities including broken authentication cross site scripting and insecure deserialization and details how to identify and exploit each weakness readers learn to bridge the gap between high risk vulnerabilities and exploiting flaws to get shell access the book demonstrates how to work in a professional services space to produce quality and thorough testing results by detailing the requirements of providing a best of class penetration testing service it offers insight into the problem of not knowing how to approach a web app pen test and the challenge of integrating a mature pen testing program into an organization based on the author s many years of first hand experience this book provides examples of how to break into user accounts how to breach systems and how to configure and wield penetration testing tools

Practical Web Penetration Testing 2018-06-22

applications are the core of any business today and the need for specialized application security experts is increasing these days using this book you will be able to learn application security testing and understand how to analyze a web application conduct a web intrusion test and a network infrastructure test

Building Next-Generation Converged Networks *2013-01-29*

supplying a comprehensive introduction to next generation networks building next generation converged networks theory and practice strikes a balance between how and why things work and how to make them work it compiles recent advancements along with basic issues from the wide range of fields related to next generation networks containing the contributions of 56 industry experts and researchers from 16 different countries the book presents relevant theoretical frameworks and the latest research it investigates new technologies such as ipv6 over low power wireless personal area network 6lowpan architectures standards mobility and security presenting the material in a manner that entry level readers can easily grasp the fundamentals the book is organized into five parts multimedia streaming deals with multimedia streaming in networks of the future from basics to more in depth information for the experts safety and security in networks addresses the issues related to security including fundamental internet and cyber security concepts that will be relevant in any future network network management and traffic engineering includes coverage of mathematical modeling based works information infrastructure and cloud computing integrates information about past achievements present conditions and future expectations in information infrastructure related areas wireless networking touches on the various aspects of wireless networks and technologies the text includes coverage of internet architectures and protocols embedded systems and sensor networks web services cloud technologies and next generation wireless networking reporting on the latest advancements in the field it provides you with the understanding required to contribute towards the materialization of future networks this book is suitable for graduate students researchers academics industry practitioners working in the area of wired or wireless networking and basically anyone who wants to improve his or her understanding of the topics related to next generation networks

Advanced Research on Electronic Commerce, Web Application, and Communication *2011-03-18*

the two volume set ccis 143 and ccis 144 constitutes the refereed proceedings of the international conference on electronic commerce application and communication ecwac 2011 held in guangzhou china in april 2011 the 148 revised full papers presented in both volumes were carefully reviewed and selected from a large number of submissions providing a forum for engineers scientists researchers in electronic commerce application and communication fields the conference will put special focus also on aspects such as e business e learning and e security intelligent information applications database and system security image and video signal processing pattern recognition information science industrial automation process control user machine systems security integrity and protection as well as mobile and multimedia communications

Detection of Intrusions and Malware, and Vulnerability Assessment *2010-07-04*

proceedings published in time for the respective conference

Web Security Portable Reference 2003

describes how hackers break into applications what function areas are vulnerable and how to guard against attacks

Kali Linux 2 – Assuring Security by Penetration Testing *2016-09-22*

achieve the gold standard in penetration testing with kali using this masterpiece now in its third edition about this book get a rock solid insight into penetration testing techniques and test your corporate network against threats like never before formulate your pentesting strategies by relying on the most up to date and feature rich kali version in town kali linux 2 aka sana experience this journey with new cutting edge wireless penetration tools and a variety of new features to make your pentesting experience smoother who this book is for if you are an it security professional or a student with basic knowledge of unix linux operating systems including an awareness of information security factors and you want to use kali linux for penetration testing this book is for you what you will learn find out to download and install your own copy of kali linux properly scope and conduct the initial stages of a penetration test conduct reconnaissance and enumeration of target networks exploit and gain a foothold on a target system or network obtain and crack passwords use the kali linux nethunter install to conduct wireless penetration testing create proper penetration testing reports in detail kali linux is a comprehensive penetration testing platform with advanced tools to identify detect and exploit the vulnerabilities uncovered in the target network environment with kali linux you can apply appropriate testing methodology with defined business objectives and a scheduled test plan resulting in a successful penetration testing project engagement kali linux assuring security by penetration testing is a fully focused structured book providing guidance on developing practical penetration testing skills by demonstrating cutting edge hacker tools and techniques with a coherent step by step approach this book offers you all of the essential lab preparation and testing procedures that reflect real world attack scenarios from a business perspective in today s digital age style and approach this practical guide will showcase penetration testing through cutting edge tools and techniques using a coherent step by step approach

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