Open Web Application Security Project Owasp Guide

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Iberic Web Application Security Conference, IBWAS 2009, Madrid, Spain, December 10-11, 2009. Revised Selected Papers CRC Press

"This book is intended for everyone in an organization who wishes to have a basic understanding of information security. Knowledge about information security is important to all employees. It makes no difference if you work in a profit- or non-profit organization because the risks that organizations face are similar for all organizations. It clearly explains the approaches that most organizations can consider and implement which helps turn Information Security management into an approachable, effective and well-understood tool. It covers: The quality requirements an organization may have for information; The risks associated with these quality requirements; The countermeasures that are necessary to mitigate these risks; Ensuring business continuity in the event of a disaster; When and whether to report incidents outside the organization. The information security concepts in this revised edition are based on the ISO/IEC27001:2013 and ISO/IEC27002:2013 standards. But the text also refers to the other relevant international standards for information security. The text is structured as follows: Fundamental Principles of Security and Information security and Risk management. Architecture, processes and information, needed for basic understanding of what information security is about. Business Assets are discussed. Measures that can be taken to protect information assets. (Physical measures, technical measures and finally the organizational measures.) The primary objective of this book is to achieve awareness by students who want to apply for a basic information security examination. It is a source of information for the lecturer who wants to question information security students about their knowledge. Each chapter ends with a case study. In order to help with the understanding and coherence of each subject, these case studies include questions relating to the areas covered in the relevant chapters. ""

The Definitive Guide John Wiley & Sons

Securing the Internet of Things provides network and cybersecurity researchers and practitioners with both the theoretical and practical knowledge they need to know regarding security in the Internet of Things (IoT). This booming field, moving from strictly research to the marketplace, is advancing rapidly, yet security issues abound. This book explains the fundamental concepts of IoT security, describing practical solutions that account for resource limitations at IoT end-node, hybrid network architecture, communication protocols, and application characteristics. Highlighting the most important potential IoT security risks and threats, the book covers both the general theory and practical implications for people working in security in the Internet of Things. Helps researchers and practitioners understand the security architecture in IoT and the state-of-the-art in IoT security countermeasures Explores how the threats in IoT are different from traditional ad hoc or infrastructural networks Provides a comprehensive discussion on the security challenges and solutions in RFID, WSNs, and IoT Contributed material by Dr. Imed Romdhani

Web Applications CRC Press

IBWAS 2009, the Iberic Conference on Web Applications Security, was the first international conference organized by both the OWASP Portuguese and Spanish ch- ters in order to join the international Web application security academic and industry communities to present and discuss the major aspects of Web applications security. There is currently a change in the information systems development paradigm. The emergence of Web 2. 0 technologies led to the extensive deployment and use of W- based applications and Web services as a way to develop new and flexible information systems. Such systems are easy to develop, deploy and maintain and they demonstrate impressive features for users, resulting in their current wide use. The “ social ” features of these technologies create the necessary “ massification ” effects that make millions of users share their own personal information and content over large web-based int- active platforms. Corporations, businesses and governments all over the world are also developing and deploying more and more applications to interact with their bu- nesses, customers, suppliers and citizens to enable stronger and tighter relations with all of them. Moreover, legacy non-Web systems are being ported to this new intrin- cally connected environment. IBWAS 2009 brought together application security experts, researchers, educators and practitioners from industry, academia and international communities such as OWASP, in order to discuss open problems and new solutions in application security. In the context of this track, academic researchers were able to combine interesting results with the experience of practitioners and software engineers.

Testing Guide Release 4.0 Springer

Agile continues to be the most adopted software development methodology among organizations worldwide, but it generally hasn't integrated well with traditional security management techniques. And most security professionals aren’t up to speed in their understanding and experience of agile development. To help bridge the divide between these two worlds, this practical guide introduces several security tools and techniques adapted specifically to integrate with agile development. Written by security experts and agile veterans, this book begins by introducing security principles to agile practitioners, and agile principles to security practitioners. The authors also reveal problems they encountered in their own experiences with agile security, and how they worked to solve them. You’ll learn how to: Add security practices to each stage of your existing development lifecycle Integrate security with planning, requirements, design, and at the code level Include security testing as part of your team’s effort to deliver working software in each release Implement regulatory compliance in an agile or DevOps environment Build an effective security program through a culture of empathy, openness, transparency, and collaboration

Android Apps Security Packt Publishing Ltd

If you're an advanced security professional, then you know that the battle to protect online privacy continues to rage on. Security chat rooms, especially, are resounding with calls for vendors to take more responsibility to release products that are more secure. In fact, with all the information and code that is passed on a daily basis, it's a fight that may never end. Fortunately, there are a number of open source security tools that give you a leg up in the battle.Often a security tool does exactly what you want, right out of the box. More frequently, you need to customize the tool to fit the needs of your network structure. Network Security Tools shows experienced administrators how to modify, customize, and extend popular open source security tools such as Nikto, Ettercap, and Nessus.This concise, high-end guide discusses the common customizations and extensions for these tools, then shows you how to write even more specialized attack and penetration reviews that are suited to your unique network environment. It also explains how tools like port scanners, packet injectors, network sniffers, and web assessment tools function.Some of the topics covered include: Writing your own network sniffers and packet injection tools Writing plugins for Nessus, Ettercap, and Nikto Developing exploits for Metasploit Code analysis for web applications Writing kernel modules for security applications, and understanding rootkits While many books on security are either tediously academic or overly sensational, Network Security Tools takes an even-handed and accessible approach that will let you quickly review the problem and implement new, practical solutions--without reinventing the wheel. In an age when security is critical, Network Security Tools is the resource you want at your side when locking down your network.

Securing the Internet of Things McGraw-Hill Osborne Media

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 Web application developers to defend their most vulnerable applications. This book defines Web 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 Web application. Through a review of recent Web application breaches, the book will expose the prolific methods hackers use to execute Web 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 Web applications, readers will be better equipped to protect confidential. The Yankee Group estimates the market for Web 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 Web Application presentations at leading conferences including: Black Hat, TechnoSecurity, CanSec West, Shmoo Con, Information Security, RSA Conferences, and more

"O'Reilly Media, Inc."

The scope of this conference includes the latest research on computer science, computer networks, information systems and general topic information technology

Kali Linux 2 – Assuring Security by Penetration Testing Automated Threat Handbook

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.

Enabling Security in a Continuous Delivery Pipeline Lulu.com

Hands-On Security in DevOps explores how the techniques of DevOps and Security should be applied together to make cloud services safer. By the end of this book, readers will be ready to build security controls at all layers, monitor and respond to attacks on cloud services, and add security organization-wide through risk management and training.

Design and Development diplom.de

The one-stop-source powering Web Application Security success, jam-packed with ready to use insights for results, loaded with all the data you need to decide how to gain and move ahead. Based on extensive research, this lays out the thinking of the most successful Web Application Security knowledge experts, those who are adept at continually innovating and seeing opportunities. This is the first place to go for Web Application Security innovation -

INCLUDED are numerous real-world Web Application Security blueprints, presentations and templates ready for you to access and use. Also, if you are looking for answers to one or more of these questions then THIS is the title for you: What are good books on web application security? How do I do web application security testing? How do I improve web application security? Which company offers the best web application security with minimum price? What certification is most recognized for web application security? What are the top web application security scanners on the market? How do I start learning about web application security? What is the best way to learn OWASP web application security? Web Application Security: What does formkey do? Web Application Security: Is there any training platform that lets you experiment with XSS, defacement, brute force, DDoS, etc. attacks? Vulnerability Assessment: Which is the best web application security scanner to buy considering the price? Is web application security a beginner's guide book by bryan sullivan a good book, is it worth reading? Want some information regarding Web Application Security Scanners? Open Web Application Security Project (OWASP): Do OWASPs have any Android apps? Where can I get the list of companies who provide web application security? Can web application security solutions create the proficient enterprise structure? Kindly let me know the carrier scope of open web application security project? ...and much more..."

Discovering and Exploiting Security Flaws Artech House

The Manager's Guide to Web 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 Web 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.

Exploitation and Countermeasures for Modern Web Applications McGraw Hill Professional

Provides information on designing effective security mechanisms for e-commerce sites, covering such topics as cryptography, authentication, information classification, threats and attacks, and certification.

Practical Web Penetration Testing Packt Publishing Ltd

Automated Threat HandbookLulu.comWeb Application Security, A Beginner's GuideMcGraw Hill Professional

OWASP John Wiley & Sons

La 4e de couv. indique : "The Open Web Application Security Project (OWASP) is a worldwide free and open community focused on improving the security of application software. Our mission is to make application security "visible", so that people and organizations can make informed decisions about application security risks. Every one is free to participate in OWASP and all of our materials are available under a free and open software license. The OWASP Foundation is a 501c3 not-for profit charitable organization that ensures the ongoing availability and support for our work."

CRC Press

Everything you need to know about information security programs and policies, in one book Clearly explains all facets of InfoSec program and policy planning, development, deployment, and management Thoroughly updated for today''s challenges, laws, regulations, and best practices The perfect resource for anyone pursuing an information security management career In today''s dangerous world, failures in information security can be catastrophic. Organizations must protect themselves. Protection begins with comprehensive, realistic policies. This up-to-date guide will help you create, deploy, and manage them. Complete and easy to understand, it explains key concepts and techniques through real-life examples. You''ll master modern information security regulations and frameworks, and learn specific best-practice policies for key industry sectors, including finance, healthcare, online commerce, and small business. If you understand basic information security, you''re ready to succeed with this book. You''ll find projects, questions, exercises, examples, links to valuable easy-to-adapt information security policies...everything you need to implement a successful information security program. Sari Stern Greene, CISSP, CRISC, CISM, NSA/IAM, is an information security practitioner, author, and entrepreneur. She is passionate about the importance of protecting information and critical infrastructure. Sari founded Sage Data Security in 2002 and has amassed thousands of hours in the field working with a spectrum of technical, operational, and management personnel, as well as boards of directors, regulators, and service providers. Her first text was Tools and Techniques for Securing Microsoft Networks, commissioned by Microsoft to train its partner channel, which was soon followed by the first edition of Security Policies and Procedures: Principles and Practices. She is actively involved in the security community, and speaks regularly at security conferences and workshops. She has been quoted in The New York Times, Wall Street Journal, and on CNN, and CNBC. Since 2010, Sari has served as the chair of the annual Cybercrime Symposium. Learn how to Establish program objectives, elements, domains, and governance Understand policies, standards, procedures, guidelines, and plans--and the differences among them Write policies in "plain language," with the right level of detail Apply the Confidentiality, Integrity & Availability (CIA) security model Use NIST resources and ISO/IEC 27000-series standards Align security with business strategy Define, inventory, and classify your information and systems Systematically identify, prioritize, and manage InfoSec risks Reduce "people-related" risks with role-based Security Education, Awareness, and Training (SETA) Implement effective physical, environmental, communications, and operational security Effectively manage access control Secure the entire system development lifecycle Respond to incidents and ensure continuity of operations Comply with laws and regulations, including GLBA, HIPAA/HITECH, FISMA, state data security and notification rules, and PCI DSS

Secure Java Springer Science & Business Media

This book constitutes the refereed proceedings of the 7th International Conference on Detection of Intrusions and Malware, and Vulnerability Assessment, DIMVA 2010, held in Bonn, Germany, in July 2010.The 12 revised full papers presented together with two extended abstracts were carefully selected from 34 initial submissions. The papers are organized in topical sections on host security, trends, vulnerabilities, intrusion detection and web security.

Writing, Hacking, and Modifying Security Tools Springer

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 Web 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.

Transactions on Computational Collective Intelligence XXXII Syngress

This concise and practical book shows where code vulnerabilities lie-without delving into the specifics of each system architecture, programming or scripting language, or application-and how best to fix them Based on real-world situations taken from the author's experiences of tracking coding

mistakes at major financial institutions Covers SQL injection attacks, cross-site scripting, data manipulation in order to bypass authorization, and other attacks that work because of missing pieces of code Shows developers how to change their mindset from Web site construction to Web site destruction in order to find dangerous code

The Official (ISC)2 Guide to the CCSP CBK Primedia E-launch LLC

"The OWASP: Proactive Controls course is part of a series of training courses on the Open Web Application Security Project (OWASP). The OWASP Top Ten Proactive Controls is a list of security techniques that should be included in every software development project. They are ordered by order of importance, with control number 1 being the most important. This training assists the developers who are new to secure development to ensure application security. The OWASP Foundation was established with a purpose to secure the applications in such a way that they can be conceived, developed, acquired, operated, and maintained in a trusted way. All of the OWASP tools, documents, forums, and chapters are free and open to anyone interested in improving application security. This course along with the other courses in the series on OWASP provides a basic overview of the concepts that form an integral part of the OWASP core values."--Resource description page.

Innocent Code Springer

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.