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Testing Web Security CRC Press

"This Working Paper and its technical annexes identify and discuss four key pillars that are necessary to foster a secure electronic environment and the safety and soundness of financial systems worldwide. Hence, it is intended for those formulating policies in the area of electronic security and those working with financial services providers (such as executives and management). The detailed annexes of this monograph are relevant for chief information and security officers and others who are responsible for securing network systems." --Résumé de l'éditeur.

Software Applications: Concepts, Methodologies, Tools, and Applications McGraw Hill Professional

The Certified Information Security Manager®(CISM®) certification program was developed by the Information Systems Audit and Controls Association (ISACA®). It has been designed specifically for experienced information security managers and those who have information security management responsibilities. The Complete Guide to CISM® Certification examines five functional areas—security governance, risk management, information security program management, information security management, and response management. Presenting definitions of roles and responsibilities throughout the organization, this practical guide identifies information security risks. It deals with processes and technical solutions that implement the information security governance framework, focuses on the tasks necessary for the information security manager to effectively manage information security within an organization, and provides a description of various techniques the information security manager can use. The book also covers steps and solutions for responding to an incident. At the end of each key area, a quiz is offered on the materials just presented. Also included is a workbook to a thirty-question final exam. Complete Guide to CISM® Certification describes the tasks performed by information security managers and contains the necessary knowledge to manage, design, and oversee an information security program. With definitions and practical examples, this text is ideal for information security managers, IT auditors, and network and system administrators.

McGraw Hill Professional

Special Ops: Internal Network Security Guide is the solution for the impossible 24-hour IT work day. By now, most companies have hardened their perimeters and locked out the "bad guys," but what has been done on the inside? This book attacks the problem of the soft, chewy center in internal networks. We use a two-pronged approach-Tactical and Strategic-to give readers a complete guide to internal penetration testing. Content includes the newest vulnerabilities and exploits, assessment methodologies, host review guides, secure baselines and case studies to bring it all together. We have scoured the Internet and assembled some of the best to function as Technical Specialists and Strategic Specialists. This creates a diversified project removing restrictive corporate boundaries. The unique style of this book will allow it to cover an incredibly broad range of topics in unparalleled detail. Chapters within the book will be written using the same concepts behind software development. Chapters will be treated like functions within programming code, allowing the authors to call on each other's data. These functions will supplement the methodology when specific technologies are examined thus reducing the common redundancies found in other security books. This book is designed to be the "one-stop shop" for security engineers who want all their information in one place. The technical nature of this may be too much for middle management; however technical managers can use the book to help them understand the challenges faced by the engineers who support their businesses. Ø Unprecedented Team of Security Luminaries. Led by Foundstone Principal Consultant, Erik Pace Birkholz, each of the contributing authors on this book is a recognized superstar in their respective fields. All are highly visible speakers and consultants and their frequent presentations at major industry events such as the Black Hat Briefings and the 29th Annual Computer Security Institute Show in November, 2002 will provide this book with a high-profile launch. Ø The only all-encompassing book on internal network security. Windows 2000, Windows XP, Solaris, Linux and Cisco IOS and their applications are usually running simultaneously in some form on most enterprise networks. Other books deal with these components individually, but no other book provides a comprehensive solution like Special Ops. This book's unique style will give the reader the value of 10 books in 1.

The CISO Handbook Springer

Computer and Information Security Handbook, Third Edition, provides the most current and complete reference on computer security available in one volume. The book offers deep coverage of an extremely wide range of issues in computer and cybersecurity theory, applications, and best practices, offering the latest insights

into established and emerging technologies and advancements. With new parts devoted to such current topics as Cloud Security, Cyber-Physical Security, and Critical Infrastructure Security, the book now has 100 chapters written by leading experts in their fields, as well as 12 updated appendices and an expanded glossary. It continues its successful format of offering problem-solving techniques that use real-life case studies, checklists, hands-on exercises, question and answers, and summaries. Chapters new to this edition include such timely topics as Cyber Warfare, Endpoint Security, Ethical Hacking, Internet of Things Security, Nanoscale Networking and Communications Security, Social Engineering, System Forensics, Wireless Sensor Network Security, Verifying User and Host Identity, Detecting System Intrusions, Insider Threats, Security Certification and Standards Implementation, Metadata Forensics, Hard Drive Imaging, Context-Aware Multi-Factor Authentication, Cloud Security, Protecting Virtual Infrastructure, Penetration Testing, and much more. Written by leaders in the field Comprehensive and up-to-date coverage of the latest security technologies, issues, and best practices Presents methods for analysis, along with problem-solving techniques for implementing practical solutions

Security Requirements Engineering John Wiley & Sons

The CISO Handbook: A Practical Guide to Securing Your Company provides unique insights and guidance into designing and implementing an information security program, delivering true value to the stakeholders of a company. The authors present several essential high-level concepts before building a robust framework that will enable you to map the concepts to your company ' s environment. The book is presented in chapters that follow a consistent methodology – Assess, Plan, Design, Execute, and Report. The first chapter, Assess, identifies the elements that drive the need for infosec programs, enabling you to conduct an analysis of your business and regulatory requirements. Plan discusses how to build the foundation of your program, allowing you to develop an executive mandate, reporting metrics, and an organizational matrix with defined roles and responsibilities. Design demonstrates how to construct the policies and procedures to meet your identified business objectives, explaining how to perform a gap analysis between the existing environment and the desired end-state, define project requirements, and assemble a rough budget. Execute emphasizes the creation of a successful execution model for the implementation of security projects against the backdrop of common business constraints. Report focuses on communicating back to the external and internal stakeholders with information that fits the various audiences. Each chapter begins with an Overview, followed by Foundation Concepts that are critical success factors to understanding the material presented. The chapters also contain a Methodology section that explains the steps necessary to achieve the goals of the particular chapter.

Corporate Management, Governance, and Ethics Best Practices IGI Global

How to Complete a Risk Assessment in 5 Days or LessCRC Press

Computer Security: Protecting Digital Resources CRC Press

Identity theft and other confidential information theft have now topped the charts as the leading cybercrime. In particular, credit card data is preferred by cybercriminals. Is your payment processing secure and compliant? The new Fourth Edition of PCI Compliance has been revised to follow the new PCI DSS standard version 3.0, which is the official version beginning in January 2014. Also new to the Fourth Edition: additional case studies and clear guidelines and instructions for maintaining PCI compliance globally, including coverage of technologies such as NFC, P2PE, CNP/Mobile, and EMV. This is the first book to address the recent updates to PCI DSS. The real-world scenarios and hands-on guidance are also new approaches to this topic. All-new case studies and fraud studies have been added to the Fourth Edition. Each chapter has how-to guidance to walk you through implementing concepts, and real-world scenarios to help you relate to the information and better grasp how it impacts your data. This book provides the information that you need in order to understand the current PCI Data Security standards and how to effectively implement security on network infrastructure in order to be compliant with the credit card industry guidelines, and help you protect sensitive and personally-identifiable information. Completely updated to follow the most current PCI DSS standard, version 3.0 Packed with help to develop and implement an effective strategy to keep infrastructure compliant and secure Includes coverage of new and emerging technologies such as NFC, P2PE, CNP/Mobile, and EMV Both authors have broad information security backgrounds, including extensive PCI DSS experience

IT Governance MIT Press

Presents information on how to analyze risks to your networks and the steps needed to select and deploy the appropriate countermeasures to reduce your exposure to physical and network threats. Also imparts the skills and knowledge needed to identify and counter some fundamental security risks and requirements, including Internet security threats and measures (audit trails IP sniffing/spoofing etc.) and how to implement security policies and procedures. In addition, this book covers security and network design with respect to particular vulnerabilities and threats. It also covers risk assessment and mitigation and auditing and testing of security systems as well as application standards and technologies required to build secure VPNs, configure client software and server operating systems, IPsec-enabled routers, firewalls and SSL clients. This comprehensive book will provide essential knowledge and skills needed to select, design and deploy a public key infrastructure (PKI) to secure existing and future applications. * Chapters contributed by leaders in the field cover theory and practice of computer security technology, allowing the reader to develop a new level of technical expertise * Comprehensive and up-to-date coverage of security issues facilitates learning and allows the reader to remain current and fully informed from multiple viewpoints * Presents methods of analysis and problem-solving techniques, enhancing the reader's grasp of the material and ability to implement practical solutions

Information Assurance Architecture Morgan Kaufmann

This volume is designed to teach fundamental network security principles to IT and CIS students enrolled in college level programs. It looks at firewalls, wireless security, desktop protection, biometrics, Windows.NET Server, IDS technology and standards such as ISO 17799.

Security and Privacy in the Age of Uncertainty Elsevier

This course covers HIPAA rules relevant to different job roles and the steps needed to implement those rules. Interested students might come from health care, IT, or legal industries. This course will also help students prepare for any of several available HIPAA certifications. Those aiming for certification should also read all the HIPAA rules.

Computer and Information Security Handbook CRC Press

Drawing on international best practice, including ISO/IEC 27005, NIST SP800-30 and BS7799-3, the book explains in practical detail how to carry out an information security risk assessment. It covers key topics, such as risk scales, threats and vulnerabilities, selection of controls, and roles and responsibilities, and includes advice on choosing risk assessment software.

Electronic Safety and Soundness IGI Global

For many companies, their intellectual property can often be more valuable than their physical assets. Having an effective IT governance strategy in place can protect this intellectual property, reducing the risk of theft and infringement. Data protection, privacy and breach regulations, computer misuse around investigatory powers are part of a complex and often competing range of requirements to which directors must respond. There is increasingly the need for an overarching information security framework that can provide context and coherence to compliance activity worldwide. IT Governance is a key resource for forward-thinking managers and executives at all levels, enabling them to understand how decisions about information technology in the organization should be made and monitored, and, in particular, how information security risks are best dealt with. The development of IT governance - which recognises the convergence between business practice and IT management - makes it essential for managers at all levels, and in organizations of all sizes, to understand how best to deal with information security risk. The new edition has been full updated to take account of the latest regulatory and technological developments, including the creation of the International Board for IT Governance Qualifications. IT Governance also includes new material on key international markets - including the UK and the US, Australia and South Africa.

Integrating Security and Software Engineering: Advances and Future Visions Supremus Group LLC

"This new edition of a unique handbook is fully updated for the latest regulatory and technological developments. Containing the 2005 revisions to BS7799 and ISO17799, it guides business managers through the issues involved in achieving ISO certification in information Security Management and covers all aspects of data security." "Written by business managers for business managers, it is an essential resource to be used in organizations of all shapes and sizes, and particularly those with well-developed internal IT systems and those focussed on e-commerce."--Jacket.

Fundamentals of Network Security World Bank Publications

Since its inception, several lawsuits have been filed under the Sarbanes Oxley Act, some corporate executives are serving jail sentences and share prices of affected companies have dropped by millions. This book examines how compliance is achieved and maintained. It explores successful strategies and suggests effective measures for implementation.

Information Systems Security World Bank Publications

Charged with ensuring the confidentiality, integrity, availability, and delivery of all forms of an entity's information, Information Assurance (IA) professionals require a fundamental understanding of a wide range of specializations, including digital forensics, fraud examination, systems engineering, security risk management, privacy, and compliance. Establishing this understanding and keeping it up to date requires a resource with coverage as diverse as the field it covers. Filling this need, the Encyclopedia of Information Assurance presents an up-to-date collection of peer-reviewed articles and references written by authorities in their fields. From risk management and privacy to auditing and compliance, the encyclopedia ’ s four volumes provide comprehensive coverage of the key topics related to information assurance. This complete IA resource: Supplies the understanding needed to help prevent the misuse of sensitive information Explains how to maintain the integrity of critical systems Details effective tools, techniques, and methods for protecting personal and corporate data against the latest threats Provides valuable examples, case studies, and discussions on how to address common and emerging IA challenges Placing the wisdom of leading researchers and practitioners at your fingertips, this authoritative reference provides the knowledge and insight needed to avoid common pitfalls and stay one step ahead of evolving threats. Also Available Online This Taylor & Francis encyclopedia is also available through online subscription, offering a variety of extra benefits for researchers, students, and librarians, including: Citation tracking and alerts Active reference linking Saved searches and marked lists HTML and PDF format options Contact Taylor and Francis for more information or to inquire about subscription options and print/online combination packages. US: (Tel) 1.888.318.2367; (E-mail) e-reference@taylorandfrancis.com International: (Tel) +44 (0) 20 7017 6062; (E-mail) online.sales@tandf.co.uk

International IT Governance Springer Science & Business Media

Security and Privacy in the Age of Uncertainty covers issues related to security and privacy of information in a wide range of applications including: *Secure Networks and Distributed Systems; *Secure Multicast Communication and Secure Mobile Networks; *Intrusion Prevention and Detection; *Access Control Policies and Models; *Security Protocols; *Security and Control of IT in Society. This volume contains the papers selected for presentation at the 18th International Conference on Information Security (SEC2003) and at the associated workshops. The conference and workshops were sponsored by the International Federation for Information Processing (IFIP) and held in Athens, Greece in May 2003.

Information Security Policies and Procedures CRC Press

Today, society is faced with numerous internet schemes, fraudulent scams, and means of identity theft that threaten our safety and our peace of mind. Computer Security: Protecting Digital Resources provides a broad approach to computer-related crime, electronic commerce, corporate networking, and Internet security, topics that have become increasingly important as more and more threats are made on our internet environment. This book is oriented toward the average computer user, business professional, government worker, and those within the education community, with the expectation that readers can learn to use the network with some degree of safety and security. The author places emphasis on the numerous vulnerabilities and threats that are inherent in the Internet environment. Efforts are made to present techniques and suggestions to avoid identity theft and fraud. Readers will gain a clear insight into the many security issues facing the e-commerce, networking, web, and internet environments, as well as what can be done to keep personal and business information secure.

Electronic Security Kogan Page Publishers

Get in-depth guidance for designing and implementing certificate-based security solutions—straight from PKI expert Brian Komar. No need to buy or outsource costly PKI services when you can use the robust PKI and certificate-based security services already built into Windows Server 2008! This in-depth reference teaches you how to design and implement even the most demanding certificate-based security solutions for wireless networking, smart card authentication, VPNs, secure email, Web SSL, EFS, and code-signing applications using Windows Server PKI and certificate services. A principal PKI consultant to Microsoft, Brian shows you how to incorporate best practices, avoid common design and implementation mistakes, help minimize risk, and optimize security administration.

Information Security Risk Analysis IGI Global

A novel, model-driven approach to security requirements engineering that focuses on socio-technical systems rather than merely technical systems. Security requirements engineering is especially challenging because designers must consider not just the software under design but also interactions among people, organizations, hardware, and software. Taking this broader perspective means designing a secure socio-technical system rather than a merely technical system. This book presents a novel, model-driven approach to designing secure socio-technical systems. It introduces the Socio-Technical Modeling Language (STS-ML) and presents a freely available software tool, STS-Tool, that supports this design approach through graphical modeling, automated reasoning capabilities to verify the models constructed, and the automatic derivation of security requirements documents. After an introduction to security requirements engineering and an overview of computer and information security, the book presents the STS-ML modeling language, introducing the modeling concepts used, explaining how to use STS-ML within the STS method for security requirements, and providing guidelines for the creation of models. The book then puts the STS approach into practice, introducing the STS-Tool and presenting two case studies from industry: an online collaborative platform and an e-Government system. Finally, the book considers other methods that can be used in conjunction with the STS method or that constitute an alternative to it. The book is suitable for course use or as a reference for practitioners. Exercises, review questions, and problems appear at the end of each chapter.

How to Complete a Risk Assessment in 5 Days or Less Springer

Covers security basics and guides reader through the process of testing a Web site. Explains how to analyze results and design specialized follow-up tests that focus on potential security gaps. Teaches the process of discovery, scanning, analyzing, verifying results of specialized tests, and fixing vulnerabilities.