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We Have Root John Wiley & Sons

Managing Risk and Information Security: Protect to Enable, an ApressOpen title, describes the changing risk environment and why a fresh approach to information security is needed. Because almost every aspect of an enterprise is now dependent on technology, the focus of IT security must shift from locking down assets to enabling the business while managing and surviving risk. This compact book discusses business risk from a broader perspective, including privacy and regulatory considerations. It describes the increasing number of threats and vulnerabilities, but also offers strategies for developing solutions. These include discussions of how enterprises can take advantage of new and emerging technologies—such as social media and the huge proliferation of Internet-enabled devices—while minimizing risk. With ApressOpen, content is freely available through multiple online distribution channels and electronic formats with the goal of disseminating professionally edited and technically reviewed content to the worldwide community. Here are some of the responses from reviewers of this exceptional work: " Managing Risk and Information Security is a perceptive, balanced, and often thought-provoking exploration of evolving information risk and security challenges within a business context. Harkins clearly connects the needed, but often-overlooked linkage and dialog between the business and technical worlds and offers actionable strategies. The book contains eye-opening security insights that are easily understood, even by the curious layman. " Fred Wettling, Bechtel Fellow, IS&T Ethics & Compliance Officer, Bechtel " As disruptive technology innovations and escalating cyber threats continue to create enormous information security challenges, Managing Risk and Information Security: Protect to Enable provides a much-needed perspective. This book compels information security professionals to think differently about concepts of risk management in order to be more effective. The specific and practical guidance offers a fast-track formula for developing information security strategies which are lock-step with business priorities. " Laura Robinson, Principal, Robinson Insight Chair, Security for Business Innovation Council (SBIC) Program Director, Executive Security Action Forum (ESAF) " The mandate of the information security function is being completely rewritten. Unfortunately most heads of security haven ' t picked up on the change, impeding their companies ' agility and ability to innovate. This book makes the case for why security needs to change, and shows how to get started. It will be regarded as marking the turning point in information security for years to come. " Dr. Jeremy Bergsman, Practice Manager, CEB " The world we are responsible to protect is changing dramatically and at an accelerating pace. Technology is pervasive in virtually every aspect of our lives. Clouds, virtualization and mobile are redefining computing – and they are just the beginning of what is to come. Your security perimeter is defined by wherever your information and people happen to be. We are attacked by professional adversaries who are better funded than we will ever be. We in the information security profession must change as dramatically as the environment we protect. We need new skills and new strategies to do our jobs effectively. We literally need to change the way we think. Written by one of the best in the business, Managing Risk and Information Security challenges traditional security theory with clear examples of the need for change. It also provides expert advice on how to dramatically increase the success of your security strategy and methods – from dealing with the misperception of risk to how to become a Z-shaped CISO. Managing Risk and Information Security is the ultimate treatise on how to deliver effective security to the world we live in for the next 10 years. It is absolute must reading for anyone in our profession – and should be on the desk of every CISO in the world. " Dave Cullinane, CISSP CEO Security Starfish, LLC " In this overview, Malcolm Harkins delivers an insightful survey of the trends, threats, and tactics shaping information risk and security. From regulatory compliance to psychology to the changing threat context, this work provides a compelling introduction to an important topic and trains helpful attention on the effects of changing technology and management practices. " Dr. Mariano-Florentino Cu é llar Professor, Stanford Law School Co-Director, Stanford Center for International Security and Cooperation (CISAC), Stanford University " Malcolm Harkins gets it. In his new book Malcolm outlines the major forces changing the information security risk landscape from a big picture perspective, and then goes on to offer effective methods of managing that risk from a practitioner's viewpoint. The combination makes this book unique and a must read for anyone interested in IT risk." Dennis Devlin AVP, Information Security and Compliance, The George Washington University " Managing Risk and Information Security is the first-to-read, must-read book on information security for C-Suite executives. It is accessible, understandable and actionable. No sky-is-falling scare tactics, no techno-babble – just straight talk about a critically important subject. There is no better primer on the economics, ergonomics and psycho-behaviourals of security than this. " Thornton May, Futurist, Executive Director & Dean, IT Leadership Academy " Managing Risk and Information Security is a wake-up call for information security executives and a ray of light for business leaders. It equips organizations with the knowledge required to transform their security programs from a " culture of no " to one focused on agility, value and competitiveness. Unlike other publications, Malcolm provides clear and immediately applicable solutions to optimally balance the frequently opposing needs of risk reduction and business growth. This book should be required reading for anyone currently serving in, or seeking to achieve, the role of Chief Information Security Officer. " Jamil Farshchi, Senior Business Leader of Strategic Planning and Initiatives, VISA " For too many years, business and security – either real or imagined – were at odds. In Managing Risk and Information Security: Protect to Enable, you get what you expect – real life practical ways to break logjams, have security actually enable business, and marries security architecture and business architecture. Why this book? It's written by a practitioner, and not just any practitioner, one of the leading minds in Security today. " John Stewart, Chief Security Officer, Cisco " This book is an invaluable guide to help security professionals address risk in new ways in this alarmingly fast changing environment. Packed with examples which makes it a pleasure to read, the book captures practical ways a forward thinking CISO can turn information security into a competitive advantage for their business. This book provides a new framework for managing risk in an entertaining and thought provoking way. This will change the way security professionals work with their business leaders, and help get products to market faster. The 6 irrefutable laws of information security should be on a stone plaque on the desk of every security professional. " Steven Proctor, VP, Audit & Risk Management, Flextronics

The Healthcare Organization's Security Program. Developing a Security Program CRC Press

CYBERSECURITY LAW Learn to protect your clients with this definitive guide to cybersecurity law in this fully-updated third edition Cybersecurity is an essential facet of modern society, and as a result, the application of security measures that ensure the confidentiality, integrity, and availability of data is crucial. Cybersecurity can be used to protect assets of all kinds, including data, desktops, servers, buildings, and most importantly, humans. Understanding the ins and outs of the legal rules governing this important field is vital for any lawyer or other professionals looking to protect these interests. The thoroughly revised and updated Cybersecurity Law offers an authoritative guide to the key statutes, regulations, and court rulings that pertain to cybersecurity, reflecting the latest legal developments on the subject. This comprehensive text deals with all aspects of cybersecurity law, from data security and enforcement actions to anti-hacking laws, from surveillance and privacy laws to national and international cybersecurity law. New material in this latest edition includes many expanded sections, such as the addition of more recent FTC data security consent decrees, including Zoom, SkyMed, and InfoTrax. Readers of the third edition of Cybersecurity Law will also find: An all-new chapter focused on laws related to ransomware and the latest attacks that compromise the availability of data and systems New and updated sections on new data security laws in New York and Alabama, President Biden ' s cybersecurity executive order, the Supreme Court ' s first opinion interpreting the Computer Fraud and Abuse Act, American Bar Association guidance on law firm cybersecurity, Internet of Things cybersecurity laws and guidance, the Cybersecurity Maturity Model Certification, the NIST Privacy Framework, and more New cases that feature the latest findings in the constantly evolving cybersecurity law space An article by the author of this textbook, assessing the major gaps in U.S. cybersecurity law A companion website for instructors that features expanded case studies, discussion questions by chapter, and exam questions by chapter Cybersecurity Law is an ideal textbook for undergraduate and graduate level courses in cybersecurity, cyber operations, management-oriented information technology (IT), and computer science. It is also a useful reference for IT professionals, government personnel, business managers, auditors, cybersecurity insurance agents, and academics in these fields, as well as academic and corporate libraries that support these professions.

21st National Information Systems Security Conference John Wiley & Sons

Effective security rules and procedures do not exist for their own sake-they are put in place to protect critical assets, thereby supporting overall business objectives. Recognizing security as a business enabler is the first step in building a successful program. Information Security Fundamentals allows future security professionals to gain a solid understanding of the foundations of the field and the entire range of issues that practitioners must address. This book enables students to understand the key elements that comprise a successful information security program and eventually apply these concepts to their own efforts. The book examines the elements of computer security, employee roles and responsibilities, and common threats. It examines the need for management controls, policies and procedures, and risk analysis, and also presents a comprehensive list of tasks and objectives that make up a typical information protection program. The volume discusses organizationwide policies and their documentation, and legal and business requirements. It explains policy format, focusing on global, topic-specific, and application-specific policies. Following a review of asset classification, the book explores access control, the components of physical security, and the foundations and processes of risk analysis and risk management. Information Security Fundamentals concludes by describing business continuity planning, including preventive controls, recovery strategies, and ways to conduct a business impact analysis.

Cyber War Will Not Take Place iUniverse

Considered the gold-standard reference on information security, the Information Security Management Handbook provides an authoritative compilation of the fundamental knowledge, skills, techniques, and tools required of today's IT security professional. Now in its sixth edition, this 3200 page, 4 volume stand-alone reference is organized under the CISSP Common Body of Knowledge domains and has been updated yearly. Each annual update, the latest is Volume 6, reflects the changes to the CBK in response to new laws and evolving technology.

Information Security Fundamentals Symbol Publishing

Essay from the year 2019 in the subject Computer Science - IT-Security, , language: English, abstract: PII is Personal Identifiable Information is the information that can be used on its own or with other information to identify, contact, or locate a single person and it is maintained by the information technology department of any organization. An example of PII is data like names, place or date of birth, email address, National ID, Passport Number, employment information finical or medical records, etc. Likewise, PHI has Protected health information according to HIPA is any health information whether oral or recorded in any form of media which is created or received by a health care provider, public health authority, employer, life insurer or hospital. PII and PHI are different from any kind of data as it should be collected, maintained and disseminated according to fair information practice which is the base of Laws and regulations. In this article, we will discuss what is needed to make your organization able to handle securely and according to privacy laws. Furthermore, it will help in understanding the basic concepts of industry standards like HIPAA Security rule. Finally, it has recommendation and guidelines to be followed when protecting information

Information security for national security: The Snowden and NSA case study OUP USA

Essay from the year 2015 in the subject Computer Science - Internet, New Technologies, Webster University, course: ITM 5000 07, language: English, abstract: The Internet has brought the world closer than ever, especially, with the ease in sharing information. A post online from Alpine, Texas can be accessible almost immediately by someone in Accra, Ghana and at the same time with the person in Bangalore, India. As much as there is access to the Internet, authorized users can access information/data irrespective of their location. Business activities are now performed globally and efficiently in comfort; buyers and sellers do business without any constraints. Business supporting activities such as paying and receiving

of cash, shipping of goods, and other related activities have now been automated in the cyberspace. The most reliable resource vault or knowledge center accessible by all is the Internet; it could even be referred to as one of mankind's greatest achievement. However, it has also made all users including governments, corporate institutions and business entities exposed and vulnerable to numerous cyber crimes. The risk of losing personal data or theft of an important data like customer data from an organization by cyber criminals has become very high. Cyber security remains the biggest challenge faced by all especially governments and organizations.

Emerging Technologies in Data Mining and Information Security CRC Press

Scientific Essay from the year 2014 in the subject Computer Science - IT-Security, grade: 70, Middlesex University in London, language: English, abstract: In recent years, the rapid technological developments coupled with the globalisation phenomenon have led to the availability of personal and professional information on the Internet and other Internet related services. This has resulted in serious potential threats to information privacy and security. As necessary precautions, there has been recently increasing global awareness of these topics and several countries are coming up with new models in order to preserve information privacy and security. In this report attempts to provide an insight into the ethical, professional, and legal issues related to information security. The infamous case of NSA and Edward Snowden is discussed as a case study.

Information Security (1995) John Wiley & Sons

A collection of popular essays from security guru Bruce Schneier In his latest collection of essays, security expert Bruce Schneier tackles a range of cybersecurity, privacy, and real-world security issues ripped from the headlines. Essays cover the ever-expanding role of technology in national security, war, transportation, the Internet of Things, elections, and more. Throughout, he challenges the status quo with a call for leaders, voters, and consumers to make better security and privacy decisions and investments. Bruce's writing has previously appeared in some of the world's best-known and most-respected publications, including The Atlantic, the Wall Street Journal, CNN, the New York Times, the Washington Post, Wired, and many others. And now you can enjoy his essays in one place—at your own speed and convenience. Timely security and privacy topics The impact of security and privacy on our world Perfect for fans of Bruce's blog and newsletter Lower price than his previous essay collections The essays are written for anyone who cares about the future and implications of security and privacy for society.

Principles of Information Security GRIN Verlag

Essay from the year 2014 in the subject Law - IT law, grade: 1,0, , course: Public Privacy: Cyber security and Human Rights, language: English, abstract: The academic essay focuses on the connection between cybersecurity and human rights. It examines the interaction between the growing cybersecurity regime and international human rights norms, standards, and mechanisms within legal and political framework.

Database Security GRIN Verlag

Invasion of privacy and misuse of personal data are among the most obvious negative effects of today's information and communication technologies. Besides technical issues from a variety of fields, privacy legislation, depending on national activities and often lacking behind technical progress, plays an important role in designing, implementing, and using privacy-enhancing systems. Taking into account technical aspects from IT security, this book presents in detail a formal task-based privacy model which can be used to technically enforce legal privacy requirements. Furthermore, the author specifies how the privacy model policy has been implemented together with other security policies in accordance with the Generalized Framework for Access Control (GFAC). This book will appeal equally to R&D professionals and practitioners active in IT security and privacy, advanced students, and IT managers.

The Future Challenges of CyberSecurity Apress

Provides an overview of the vulnerabilities and threats to info. security and introduces important concepts and terms. Summarizes the definitions and controls of the trusted computer system evaluation criteria and discusses info. security policy focusing on info. control and dissemination. Also discusses such topics as the the architectures used in the development of trusted relational database mgmt. systems, the effects that multilevel DBMS security requirements can have on the system's data integrity, a new approach to formal modeling of a trusted computer system, and a new security model for mandatory access controls in object-oriented database systems.

Handbook of Information Security, Threats, Vulnerabilities, Prevention, Detection, and Management Oxford University Press, USA

An ideal text for introductory information security courses, the second edition of Elementary Information Security provides a comprehensive yet easy-to-understand introduction to the complex world of cyber security and technology. Thoroughly updated with recently reported cyber security incidents, this essential text enables students to gain direct experience by analyzing security problems and practicing simulated security activities. Emphasizing learning through experience, Elementary Information Security, Second Edition addresses technologies and cryptographic topics progressing from individual computers to more complex Internet-based systems.

Computers at Risk Rowman & Littlefield Publishers

Welcome to the cybersecurity (also called information security or InfoSec) field! If you are interested in a career in cybersecurity, you've come to the right book. So what exactly do these people do on the job, day in and day out? What kind of skills and educational background do you need to succeed in this field? How much can you expect to make, and what are the pros and cons of these various professions? Is this even the right career path for you? How do you avoid burnout and deal with stress? This book can help you answer these questions and more. Cybersecurity and Information Security Analysts: A Practical Career Guide, which includes interviews with professionals in the field, covers the following areas of this field that have proven to be stable, lucrative, and growing professions. Security Analysts/Engineers Security Architects Security Administrators Security Software Developers Cryptographers/Cryptologists/Cryptanalysts

Information Security GRIN Verlag

Starting with the inception of an education program and progressing through its development, implementation, delivery, and evaluation, Managing an Information Security and Privacy Awareness and Training Program, Second Edition provides authoritative coverage of nearly everything needed to create an effective training program that is compliant with applicable laws, regulations, and policies. Written by Rebecca Herold, a well-respected information security and privacy expert named one of the "Best Privacy Advisers in the World" multiple times by Computerworld magazine as well as a "Top 13 Influencer in IT Security" by IT Security Magazine, the text supplies a proven framework for creating an awareness and training program. It also: Lists the laws and associated excerpts of the specific passages that require training and awareness Contains a plethora of forms, examples, and samples in the book's 22 appendices Highlights common mistakes that many organizations make Directs readers to additional resources for more specialized information Includes 250 awareness activities ideas and 42 helpful tips for trainers Complete with case studies and examples from a range of businesses and industries, this all-in-one resource provides the holistic and practical understanding needed to identify and implement the training and awareness methods best suited to, and most effective for, your organization. Praise for: The first edition was outstanding. The new second edition is even better ... the definitive and indispensable guide for information security and privacy awareness and training professionals, worth every cent. As with the first edition, we recommend it unreservedly.. —NoticeBored.com

From Database to Cyber Security Addison-Wesley Longman

This Festschrift is in honor of Sushil Jajodia, Professor in the George Mason University, USA, on the occasion of his 70th birthday. This book contains papers written in honor of Sushil Jajodia, of his vision and his achievements. Sushil has sustained a highly active research agenda spanning several important areas in computer security and privacy, and established himself as a leader in the security research community through unique scholarship and service. He has extraordinarily impacted the scientific and academic community, opening and pioneering new directions of research, and significantly influencing the research and development of security solutions worldwide. Also, his excellent record of research funding shows his commitment to sponsored research and the practical impact of his work. The research areas presented in this Festschrift include membrane computing, spiking neural networks, phylogenetic networks, ant colonies optimization, work bench for bio-computing, reaction systems, entropy of computation, rewriting systems, and insertion-deletion systems.

Proceedings of 2nd International Conference on Smart Computing and Cyber Security CRC Press

Stiennon on Security is a collection of over 100 essays written by Richard Stiennon between 2010 and 2020. They origianlly appeared in what are now heavily encumbered online media that are so plastered with ads, pop-ups, and videos, that it makes reading difficult. Reading these in book form gives you an opportunity to review the last ten years of developments in the cybersecurity world without distraction. Stiennon has covered the cybersecurity industry from attacks to cyber warfare, to cyber policy, for twenty years. In this first book in a series makes much of his thoughts available in one place. It is a valuable collection for the student of cybersecurity history as well as those who want to reflect on the past.

Information Security Management Handbook on CD-ROM, 2006 Edition Institute of Electrical & Electronics Engineers(IEEE)

High-level overview of the information security field. Covers key concepts like confidentiality, integrity, and availability, then dives into practical applications of these ideas in the areas of operational, physical, network, application, and operating system security. In this high-level survey of the information security field, best-selling author Jason Andress covers the basics of a wide variety of topics, from authentication and authorization to maintaining confidentiality and performing penetration testing. Using real-world security breaches as examples, Foundations of Information Security explores common applications of these concepts, such as operations security, network design, hardening and patching operating systems, securing mobile devices, as well as tools for assessing the security of hosts and applications. You'll also learn the basics of topics like: Multifactor authentication and how biometrics and hardware tokens can be used to harden the authentication process The principles behind modern cryptography, including symmetric and asymmetric algorithms, hashes, and certificates The laws and regulations that protect systems and data Anti-

malware tools, firewalls, and intrusion detection systems Vulnerabilities such as buffer overflows and race conditions A valuable resource for beginning security professionals, network systems administrators, or anyone new to the field, Foundations of Information Security is a great place to start your journey into the dynamic and rewarding field of information security.

Managing an Information Security and Privacy Awareness and Training Program, Second Edition Grin Publishing

Essay from the year 2011 in the subject Business economics - Trade and Distribution, grade: A, University of South Central Los Angeles, course: E-Business, language: English, abstract: In order to reassure online consumers that their transactions are secure and their credit information is safe, governments, merchants, and computer system vendors need to promote the culture of security in e-commerce. Governments need to educate people on security issues and to give up-to-date information on the way of protecting themselves against attacks. Governments need also to set up e-commerce laws and to enforce them so as to take appropriate measures against cyber crime. Merchants need to purchase more sophisticated version of software applications that have strong encryption, firewalls and other security tools. They also need to set up within their business organizations policies regarding security of information systems and should include statements on privacy and security in their websites text and graphics so as to assure online consumers. Vendors of computer systems should acknowledge that they need to be part of the solution to e-commerce security problems. Thus, they need to develop new techniques and new products so as to cope with current and future hackers' attacks. Through such commitment, safety and privacy will be promoted in e-commerce.

Information Security Management Handbook, Volume 4 CRC Press

The Information Security Management Handbook continues its tradition of consistently communicating the fundamental concepts of security needed to be a true CISSP. In response to new developments, Volume 4 supplements the previous volumes with new information covering topics such as wireless, HIPAA, the latest hacker attacks and defenses, intrusion detection, and provides expanded coverage on security management issues and applications security. Even those that don't plan on sitting for the CISSP exam will find that this handbook is a great information security reference. The changes in the technology of information security and the increasing threats to security make a complete and up-to-date understanding of this material essential. Volume 4 supplements the information in the earlier volumes of this handbook, updating it and keeping it current. Organized by the ten domains of the Common Body of Knowledge (CBK) on which the CISSP exam is based, this volume gives you the information you need to understand what makes information secure and how to secure it. Because the knowledge required to master information security - the CBK - is growing so quickly, there is little duplication of material among the four volumes. As a study guide or resource that you can use on the job, the Information Security Management Handbook, Fourth Edition, Volume 4 is the book you will refer to over and over again.

Service and Advanced Technology Springer

The Handbook of Information Security is a definitive 3-volume handbook that offers coverage of both established and cutting-edge theories and developments on information and computer security. The text contains 180 articles from over 200 leading experts, providing the benchmark resource for information security, network security, information privacy, and information warfare.