The Basics Of Information Security Understanding The Fundamentals Of Infosec In Theory And Practice Jason Andress

Information Security Policies, Procedures, and Standards
Foundations of Information Security
Computer Security Threats
Cyber Security
Information Security
A Complete Go-to Guide for Beginners to Understand All the Aspects of Information Security (English Edition)
A Practitioner's Reference
Building Secure Systems in Untrusted Networks
Information Security

Comprehensive Beginners Guide to Learn the Basics and Effective Methods of Cyber Security
A Guide for Reporters, Editors, and Newsroom Leaders
A Straightforward Introduction
A Hands-on Approach
Computer System and Network Security
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The CIO’s Guide to Information Security Incident Management
Applied Information Security
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97 Things Every Information Security Professional Should Know
Small Business Information Security
Beyond Intrusion Detection
Zen and the Art of Information Security
Principles of Information Security
The Basics of Information Security, 2nd Edition
Elementary Information Security
Information Security Awareness Basics
Understanding the Fundamentals of InfoSec in Theory and Practice
The Basics of Cyber Safety

Computer and Mobile Device Safety Made Easy
Computers at Risk
Cybersecurity For Dummies
Fundamentals of Information Systems Security
Develop a threat model and incident response strategy to build a strong information security framework
The Basics of Cyber Warfare
Computer Security Basics
Glossary of Key Information Security Terms
Principles and Practice
Information Security and IT Risk Management
The Fundamentals
The Beginners Guide to Learning The Basics of Information Security and Modern Cyber Threats

DOUGLAS REAGAN

Information Security Policies, Procedures, and Standards Syngress Press
This is the must-have book for a must-know field. Today, general security knowledge is

mandatory, and, if you who need to understand the fundamentals, Computer Security Basics 2nd Edition is the book to consult. The new edition builds on the well-established principles developed in the original edition and thoroughly updates that core knowledge. For anyone involved with computer security, including security administrators, system administrators, developers, and IT managers, Computer Security Basics 2nd Edition offers a clear overview of the security concepts you need to know, including access controls, malicious software, security policy, cryptography, biometrics, as well as government regulations and standards. This handbook describes complicated concepts such as trusted systems, encryption, and mandatory access control in simple terms. It tells you what you need to know to understand the basics of computer security, and it will help you persuade your employees to practice safe computing. Topics include: Computer security concepts Security breaches, such as viruses and other malicious programs Access controls Security policy Web attacks Communications and network security Encryption Physical security and biometrics Wireless network security Computer security and requirements of the Orange Book OSI Model and TEMPEST

Foundations of Information Security BPB Publications

Specifically oriented to

the needs of information systems students, PRINCIPLES OF INFORMATION SECURITY, 5e delivers the latest technology and developments from the field. Taking a managerial approach, this bestseller teaches all the aspects of information security-not just the technical control perspective. It provides a broad review of the entire field of information security, background on many related elements, and enough detail to facilitate understanding of the topic. It covers the terminology of the field, the history of the discipline, and an overview of how to manage an information security program. Current and relevant, the fifth edition includes the latest practices, fresh examples, updated material on technical security controls, emerging legislative issues, new coverage of digital forensics, and hands-on application of ethical issues in IS security. It is the ultimate resource for future business decision-makers. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Computer Security Threats Elsevier Develop and implement an effective end-to-end security program Today’s complex world of mobile platforms, cloud computing, and ubiquitous data access puts new security demands on every IT professional. Information Security: The Complete Reference, Second Edition (previously titled Network

Security: The Complete Reference) is the only comprehensive book that offers vendor-neutral details on all aspects of information protection, with an eye toward the evolving threat landscape. Thoroughly revised and expanded to cover all aspects of modern information security—from concepts to details—this edition provides a one-stop reference equally applicable to the beginner and the seasoned professional. Find out how to build a holistic security program based on proven methodology, risk analysis, compliance, and business needs. You'll learn how to successfully protect data, networks, computers, and applications. In-depth chapters cover data protection, encryption, information rights management, network security, intrusion detection and prevention, Unix and Windows security, virtual and cloud security, secure application development, disaster recovery, forensics, and real-world attacks and countermeasures. Included is an extensive security glossary, as well as standards-based references. This is a great resource for professionals and students alike. Understand security concepts and building blocks Identify vulnerabilities and mitigate risk Optimize authentication and authorization Use IRM and encryption to protect unstructured data Defend storage devices, databases, and software Protect network routers,

switches, and firewalls Secure VPN, wireless, VoIP, and PBX infrastructure Design intrusion detection and prevention systems Develop secure Windows, Java, and mobile applications Perform incident response and forensic analysis

Cyber Security BoD – Books on Demand

This new text provides students the knowledge and skills they will need to compete for and succeed in the information security roles they will encounter straight out of college. This is accomplished by providing a hands-on immersion in essential system administration, service and application installation and configuration, security tool use, TIG implementation and reporting. It is designed for an introductory course on IS Security offered usually as an elective in IS departments in 2 and 4 year schools. It is not designed for security certification courses.

Information Security Jones & Bartlett Publishers

Computer System and Network Security provides the reader with a basic understanding of the issues involved in the security of computer systems and networks. Introductory in nature, this important new book covers all aspects related to the growing field of computer security. Such complete coverage in a single text has previously been unavailable, and college professors and students, as well as professionals responsible for system security, will find this unique book a valuable source of

information, either as a textbook or as a general reference. Computer System and Network Security discusses existing and potential threats to computer systems and networks and outlines the basic actions that are generally taken to protect them. The first two chapters of the text introduce the reader to the field of computer security, covering fundamental issues and objectives. The next several chapters describe security models, authentication issues, access control, intrusion detection, and damage control. Later chapters address network and database security and systems/networks connected to wide-area networks and internetworks. Other topics include firewalls, cryptography, malicious software, and security standards. The book includes case studies with information about incidents involving computer security, illustrating the problems and potential damage that can be caused when security fails. This unique reference/textbook covers all aspects of computer and network security, filling an obvious gap in the existing literature.

A Complete Go-to Guide for Beginners to Understand All the Aspects of Information Security (English Edition)

National Academies Press

Description-The book has been written in such a way that the concepts are explained in detail, givingadequate emphasis on examples. To make clarity on the topic, diagrams are given

extensively throughout the text. Various questions are included that vary widely in type and difficulty to understand the text. This text is user-focused and has been highly updated including topics, pictures and examples. The book features the most current research findings in all aspects of information Security. From successfully implementing technology change to understanding the human factors in IT utilization, these volumes address many of the core concepts and organizational applications, implications of information technology in organizations.Key FeaturesA* Comprehensive coverage of various aspects of cyber security concepts.A* Simple language, crystal clear approach, straight forward comprehensible presentation. A* Adopting user-friendly classroom lecture style. A* The concepts are duly supported by several examples. A* Previous years question papers are also included. A* The important set of questions comprising of more than 90 questions with short answers are also included. Table of Contents:Chapter-1 : Introduction to Information SystemsChapter-2 : Information SecurityChapter-3 : Application SecurityChapter-4 : Security ThreatsChapter-5 : Development of secure Information SystemChapter-6 : Security Issues In HardwareChapter-7 :

Security PoliciesChapter-8 : Information Security Standards
A Practitioner's Reference DIANE Publishing
ROADMAP TO INFORMATION SECURITY: FOR IT AND INFOSEC MANAGERS provides a solid overview of information security and its relationship to the information needs of an organization. Content is tailored to the unique needs of information systems professionals who find themselves brought in to the intricacies of information security responsibilities. The book is written for a wide variety of audiences looking to step up to emerging security challenges, ranging from students to experienced professionals. This book is designed to guide the information technology manager in dealing with the challenges associated with the security aspects of their role, providing concise guidance on assessing and improving an organization's security. The content helps IT managers to handle an assignment to an information security role in ways that conform to expectations and requirements, while supporting the goals of the manager in building and maintaining a solid information security program. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.
Building Secure Systems in Untrusted Networks Elsevier
We live in a world where the kind of connections

you have can make a big difference in your life. These connections are not just about personal and professional relationships, but also about networks. Computer networks must share connections to enable us access to useful information we need online. While these connections help us create a bustling life online, they have also become a cause for worry and concern, hence the need to understand cyber security. In this book, you will learn about the fundamental concepts of cyber security. These are facts that form the foundation of your knowledge in cyber security. The knowledge you gain from this book will help you understand the need to enhance your security online. From office devices to your personal devices at home, you must be keen on securing your networks all the time. We use real life examples to show you how bad a security breach can be. Companies have suffered millions of dollars in damages in the past. Some of these examples are so recent that they may still be fresh in your mind. They help you reexamine your interactions online and question whether you should provide the information that a given website requests. These simple decisions can prevent a lot of damage in the long run. In cyber security today, policy is of the utmost importance. You must understand the policies that guide your interaction with different individuals and entities, especially concerning data security and sharing.

This book introduces you to the GDPR policies that were passed in the EU as a guideline for how different entities interact with and handle data they hold in their databases. More importantly, you will also learn how to protect yourself in the event of an attack. Some attacks are multilayered, such that the way you respond to it might create a bigger problem or prevent one. By the end of this book, it is our hope that you will be more vigilant and protective of your devices and networks and be more aware of your networking environment.
Information Security Packt Publishing Ltd
As part of the Syngress Basics series, The Basics of Information Security provides you with fundamental knowledge of information security in both theoretical and practical aspects. Author Jason Andress gives you the basic knowledge needed to understand the key concepts of confidentiality, integrity, and availability, and then dives into practical applications of these ideas in the areas of operational, physical, network, application, and operating system security. The Basics of Information Security gives you clear-non-technical explanations of how infosec works and how to apply these principles whether you're in the IT field or want to understand how it affects your career and business. The new Second Edition has been updated for the latest trends and threats, including new material on many infosec subjects. Learn about information

security without wading through a huge textbook Covers both theoretical and practical aspects of information security Provides a broad view of the information security field in a concise manner All-new Second Edition updated for the latest information security trends and threats, including material on incident response, social engineering, security awareness, risk management, and legal/regulatory issues.

Comprehensive Beginners Guide to Learn the Basics and Effective Methods of Cyber Security BPB Publications

"The book you are about to read will arm you with the knowledge you need to defend your network from attackers—both the obvious and the not so obvious.... If you are new to network security, don't put this book back on the shelf! This is a great book for beginners and I wish I had access to it many years ago. If you've learned the basics of TCP/IP protocols and run an open source or commercial IDS, you may be asking 'What's next?' If so, this book is for you." —Ron Gula, founder and CTO, Tenable Network Security, from the Foreword "Richard Bejtlich has a good perspective on Internet security—one that is orderly and practical at the same time. He keeps readers grounded and addresses the fundamentals in an accessible way." —Marcus Ranum, TruSecure "This book is not about security or network monitoring: It's about both, and in reality these are two aspects of the same problem. You

can easily find people who are security experts or network monitors, but this book explains how to master both topics." —Luca Deri, ntop.org "This book will enable security professionals of all skill sets to improve their understanding of what it takes to set up, maintain, and utilize a successful network intrusion detection strategy." —Kirby Kuehl, Cisco Systems Every network can be compromised. There are too many systems, offering too many services, running too many flawed applications. No amount of careful coding, patch management, or access control can keep out every attacker. If prevention eventually fails, how do you prepare for the intrusions that will eventually happen? Network security monitoring (NSM) equips security staff to deal with the inevitable consequences of too few resources and too many responsibilities. NSM collects the data needed to generate better assessment, detection, and response processes—resulting in decreased impact from unauthorized activities. In The Tao of Network Security Monitoring , Richard Bejtlich explores the products, people, and processes that implement the NSM model. By focusing on case studies and the application of open source tools, he helps you gain hands-on knowledge of how to better defend networks and how to mitigate damage from security incidents. Inside, you will

find in-depth information on the following areas. The NSM operational framework and deployment considerations. How to use a variety of open-source tools—including Sguil, Argus, and Ethereal—to mine network traffic for full content, session, statistical, and alert data. Best practices for conducting emergency NSM in an incident response scenario, evaluating monitoring vendors, and deploying an NSM architecture. Developing and applying knowledge of weapons, tactics, telecommunications, system administration, scripting, and programming for NSM. The best tools for generating arbitrary packets, exploiting flaws, manipulating traffic, and conducting reconnaissance. Whether you are new to network intrusion detection and incident response, or a computer-security veteran, this book will enable you to quickly develop and apply the skills needed to detect, prevent, and respond to new and emerging threats.

A Guide for Reporters, Editors, and Newsroom Leaders The Basics of Information SecurityUnderstanding the Fundamentals of InfoSec in Theory and Practice

The Basics of Information Security provides fundamental knowledge of information security in both theoretical and practical aspects. This book is packed with key concepts of information

security, such as confidentiality, integrity, and availability, as well as tips and additional resources for further advanced study. It also includes practical applications in the areas of operations, physical, network, operating system, and application security. Complete with exercises at the end of each chapter, this book is well-suited for classroom or instructional use. The book consists of 10 chapters covering such topics as identification and authentication; authorization and access control; auditing and accountability; cryptography; operations security; physical security; network security; operating system security; and application security. Useful implementations for each concept are demonstrated using real world examples. PowerPoint lecture slides are available for use in the classroom. This book is an ideal reference for security consultants, IT managers, students, and those new to the InfoSec field. Learn about information security without wading through huge manuals Covers both theoretical and practical aspects of information security Gives a broad view of the information security field for practitioners, students, and enthusiasts

A Straightforward Introduction Pearson Education

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.
A Hands-on Approach
DIANE Publishing
PART OF THE JONES & BARTLETT LEARNING INFORMATION SYSTEMS SECURITY & ASSURANCE SERIES Revised and updated with the latest information from this fast-paced field, Fundamentals of Information System Security, Second Edition provides a comprehensive overview of the essential concepts readers must know as they pursue careers in information systems security. The text opens with a discussion of the new risks, threats, and vulnerabilities associated with the transformation to a digital world, including a look at how business, government, and individuals operate today. Part 2 is adapted from the Official (ISC)2 SSCP Certified Body of Knowledge and presents a high-level overview of each of the seven domains within the System Security Certified Practitioner certification. The book closes with a resource for readers who desire additional material on information security standards, education, professional certifications, and compliance laws. With its practical, conversational writing style and step-by-step examples, this text is a must-have resource for those entering the world of information systems security. New to the Second Edition: - New material on cloud computing, risk analysis, IP mobility, OMNIBus, and Agile Software Development. - Includes the most recent updates

in Information Systems Security laws, certificates, standards, amendments, and the proposed Federal Information Security Amendments Act of 2013 and HITECH Act. - Provides new cases and examples pulled from real-world scenarios. - Updated data, tables, and sidebars provide the most current information in the field.

Computer System and Network Security oshean collins

The Basics of Cyber Warfare provides readers with fundamental knowledge of cyber war in both theoretical and practical aspects. This book explores the principles of cyber warfare, including military and cyber doctrine, social engineering, and offensive and defensive tools, tactics and procedures, including computer network exploitation (CNE), attack (CNA) and defense (CND). Readers learn the basics of how to defend against espionage, hacking, insider threats, state-sponsored attacks, and non-state actors (such as organized criminals and terrorists). Finally, the book looks ahead to emerging aspects of cyber security technology and trends, including cloud computing, mobile devices, biometrics and nanotechnology. The Basics of Cyber Warfare gives readers a concise overview of these threats and outlines the ethics, laws and consequences of cyber warfare. It is a valuable resource for policy makers, CEOs and CIOs, penetration testers, security administrators, and students and

instructors in information security. Provides a sound understanding of the tools and tactics used in cyber warfare. Describes both offensive and defensive tactics from an insider's point of view. Presents doctrine and hands-on techniques to understand as cyber warfare evolves with technology.

Understanding the Fundamentals of InfoSec in Theory and Practice

John Wiley & Sons

For some small businesses, the security of their information, systems, and networks might not be a high priority, but for their customers, employees, and trading partners it is very important. The size of a small business varies by type of business, but typically is a business or organization with up to 500 employees. In the U.S., the number of small businesses totals to over 95% of all businesses. The small business community produces around 50% of our nation¿s GNP and creates around 50% of all new jobs in our country. Small businesses, therefore, are a very important part of our nation¿s economy. This report will assist small business management to understand how to provide basic security for their information, systems, and networks. Illustrations.

The CIO’s Guide to Information Security Incident Management

Cengage Learning

Whether you're searching for new or additional opportunities, information security can be vast and overwhelming. In this practical guide, author Christina Morillo

introduces technical knowledge from a diverse range of experts in the infosec field. Through 97 concise and useful tips, you'll learn how to expand your skills and solve common issues by working through everyday security problems. You'll also receive valuable guidance from professionals on how to navigate your career within this industry. How do you get buy-in from the C-suite for your security program? How do you establish an incident and disaster response plan? This practical book takes you through actionable advice on a wide variety of infosec topics, including thought-provoking questions that drive the direction of the field. Continuously Learn to Protect Tomorrow's Technology--Alyssa Columbus Fight in Cyber Like the Military Fights in the Physical--Andrew Harris Keep People at the Center of Your Work--Camille Stewart Infosec Professionals Need to Know Operational Resilience--Ann Johnson Taking Control of Your Own Journey--Antoine Middleton Security, Privacy, and Messy Data Webs: Taking Back Control in Third-Party Environments--Ben Brook Every Information Security Problem Boils Down to One Thing--Ben Smith Focus on the WHAT and the Why First, Not the Tool--Christina Morillo

Applied Information Security Syngress

The perimeter defenses guarding your network perhaps are not as secure as you think. Hosts behind the firewall have no defenses of their own, so

when a host in the "trusted" zone is breached, access to your data center is not far behind. That’s an all-too-familiar scenario today. With this practical book, you’ll learn the principles behind zero trust architecture, along with details necessary to implement it. The Zero Trust Model treats all hosts as if they’re internet-facing, and considers the entire network to be compromised and hostile. By taking this approach, you’ll focus on building strong authentication, authorization, and encryption throughout, while providing compartmentalized access and better operational agility. Understand how perimeter-based defenses have evolved to become the broken model we use today Explore two case studies of zero trust in production networks on the client side (Google) and on the server side (PagerDuty) Get example configuration for open source tools that you can use to build a zero trust network Learn how to migrate from a perimeter-based network to a zero trust network in production

Cyber Security Elsevier

As technological and legal changes have hollowed out the protections that reporters and news organizations have depended upon for decades, information security concerns facing journalists as they report, produce, and disseminate the news have only intensified. From source prosecutions to physical attacks and online

harassment, the last two decades have seen a dramatic increase in the risks faced by journalists at all levels even as the media industry confronts drastic cutbacks in budgets and staff. As a result, few professional or aspiring journalists have a comprehensive understanding of what is required to keep their sources, stories, colleagues, and reputations safe. This book is an essential guide to protecting news writers, sources, and organizations in the digital era. Susan E. McGregor provides a systematic understanding of the key technical, legal, and conceptual issues that anyone teaching, studying, or practicing journalism should know. Bringing together expert insights from both leading academics and security professionals who work at and with news organizations from BuzzFeed to the Associated Press, she lays out key principles and approaches for building information security into journalistic practice. McGregor draws on firsthand experience as a Wall Street Journal staffer, followed by a decade of researching, testing, and developing information security tools and practices. Filled with practical but evergreen advice that can enhance the security and efficacy of everything from daily beat reporting to long-term investigative projects, Information Security Essentials is a vital tool for journalists at all levels.

97 Things Every Information Security

Professional Should Know John Wiley & Sons Implement information security effectively as per your organization's needs. About This Book Learn to build your own information security framework, the best fit for your organization Build on the concepts of threat modeling, incidence response, and security analysis Practical use cases and best practices for information security Who This Book Is For This book is for security analysts and professionals who deal with security mechanisms in an organization. If you are looking for an end to end guide on information security and risk analysis with no prior knowledge of this domain, then this book is for you. What You Will Learn Develop your own information security framework Build your incident response mechanism Discover cloud security considerations Get to know the system development life cycle Get your security operation center up and running Know the various security testing types Balance security as per your business needs Implement information security best practices In Detail Having an information security mechanism is one of the most crucial factors for any organization. Important assets of organization demand a proper risk management and threat model for security, and so information security concepts are gaining a lot of traction. This book starts with the concept of information security and

shows you why it's important. It then moves on to modules such as threat modeling, risk management, and mitigation. It also covers the concepts of incident response systems, information rights management, and more. Moving on, it guides you to build your own information security framework as the best fit for your organization. Toward the end, you'll discover some best practices that can be implemented to make your security framework strong. By the end of this book, you will be well-versed with all the factors involved in information security, which will help you build a security framework that is a perfect fit your organization's requirements. Style and approach This book takes a practical approach, walking you through information security fundamentals, along with information security best practices.

Small Business Information Security

CRC Press

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