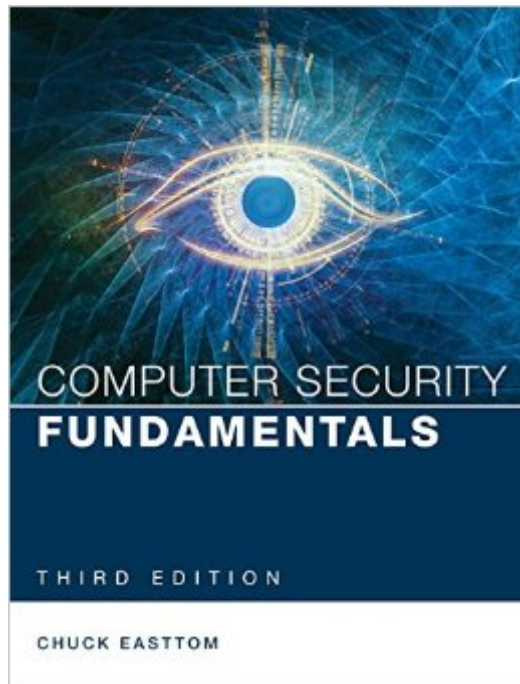# Computer Security Fundamentals (3rd Edition)

Synopsis

ONE-VOLUME INTRODUCTION TO COMPUTER SECURITY   Clearly explains core concepts, terminology, challenges, technologies, and skills   Covers todayâ ™s latest attacks and countermeasures   The perfect beginnerâ ™s guide for anyone interested in a computer security career   Chuck Easttom brings together complete coverage of all basic concepts, terminology, and issues, along with all the skills you need to get started. Drawing on 20+ years of experience as a security instructor, consultant, and researcher, Easttom helps you take a proactive, realistic approach to assessing threats and implementing countermeasures. Writing clearly and simply, he addresses crucial issues that many introductory security books ignore, while addressing the realities of a world where billions of new devices are Internet-connected.   This guide covers web attacks, hacking, spyware, network defense, security appliances, VPNs, password use, and much more. Its many tips and examples reflect new industry trends and the state-of-the-art in both attacks and defense. Exercises, projects, and review questions in every chapter help you deepen your understanding and apply all youâ ™ve learned.   Whether youâ ™re a student, a professional, or a manager, this guide will help you protect your assetsâ ”and expand your career options.   Learn how to Â Â Â Â Â Â Â Â Â Identify and prioritize potential threats to your network Â Â Â Â Â Â Â Â Â Use basic networking knowledge to improve security Â Â Â Â Â Â Â Â Â Get inside the minds of hackers, so you can deter their attacks Â Â Â Â Â Â Â Â Â Implement a proven layered approach to network security Â Â Â Â Â Â Â Â Â Resist modern social engineering attacks Â Â Â Â Â Â Â Â Â Defend against todayâ ™s most common Denial of Service (DoS) attacks Â Â Â Â Â Â Â Â Â Halt viruses, spyware, worms, Trojans, and other malware Â Â Â Â Â Â Â Â Â Prevent problems arising from malfeasance or ignorance Â Â Â Â Â Â Â Â Â Choose the best encryption methods for your organization Â Â Â Â Â Â Â Â Â Compare security technologies, including the latest security appliances Â Â Â Â Â Â Â Â Â Implement security policies that will work in your environment Â Â Â Â Â Â Â Â Â Scan your network for vulnerabilities Â Â Â Â Â Â Â Â Â Evaluate potential security consultants Â Â Â Â Â Â Â Â Â Master basic computer forensics and know what to do if youâ ™re attacked Â Â Â Â Â Â Â Â Â Learn how cyberterrorism and information warfare are evolving Â

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