Computer Security Fundamentals (3rd Edition)

By William (Chuck) Easttom II

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ONE-VOLUME INTRODUCTION TO COMPUTER SECURITY

Clearly explains core concepts, terminology, challenges, technologies, and skills

Covers today's latest attacks and countermeasures

The perfect beginner'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 you've learned.

Whether you're a student, a professional, or a manager, this guide will help you protect your assets—and expand your career options.

Learn how to
· Identify and prioritize potential threats to your network
· Use basic networking knowledge to improve security
· Get inside the minds of hackers, so you can deter their attacks
· Implement a proven layered approach to network security
· Resist modern social engineering attacks

- Defend against today's most common Denial of Service (DoS) attacks
- Halt viruses, spyware, worms, Trojans, and other malware
- Prevent problems arising from malfeasance or ignorance
- Choose the best encryption methods for your organization
- Compare security technologies, including the latest security appliances
- Implement security policies that will work in your environment
- Scan your network for vulnerabilities
- Evaluate potential security consultants
- Master basic computer forensics and know what to do if you're attacked
- Learn how cyberterrorism and information warfare are evolving

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Editorial Review

About the Author
Chuck Easttom is a computer scientist and author of over 20 books. He is an inventor with 8 patented inventions. He travels the world teaching,speaking at conferences, and consulting. You can visit his website at chuckeasttom.com.

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