



FOURTH EDITION

NETWORK DEFENSE AND COUNTERMEASURES

Principles and Practices

DR. CHUCK EASTTOM

Network Defense And Countermeasures

L Darling-Hammond



Network Defense And Countermeasures:

Network Defense and Countermeasures William Easttom II, 2013-10-18 Everything you need to know about modern network attacks and defense in one book Clearly explains core network security concepts challenges technologies and skills Thoroughly updated for the latest attacks and countermeasures The perfect beginner's guide for anyone interested in a network security career Security is the IT industry's hottest topic and that's where the hottest opportunities are too Organizations desperately need professionals who can help them safeguard against the most sophisticated attacks ever created attacks from well funded global criminal syndicates and even governments Today security begins with defending the organizational network **Network Defense and Countermeasures** Second Edition is today's most complete easy to understand introduction to modern network attacks and their effective defense From malware and DDoS attacks to firewalls and encryption Chuck Easttom blends theoretical foundations with up to the minute best practice techniques Starting with the absolute basics he discusses crucial topics many security books overlook including the emergence of network based espionage and terrorism If you have a basic understanding of networks that's all the background you'll need to succeed with this book no math or advanced computer science is required You'll find projects questions exercises case studies links to expert resources and a complete glossary all designed to deepen your understanding and prepare you to defend real world networks Learn how to Understand essential network security concepts challenges and careers Learn how modern attacks work Discover how firewalls intrusion detection systems IDS and virtual private networks VPNs combine to protect modern networks Select the right security technologies for any network environment Use encryption to protect information Harden Windows and Linux systems and keep them patched Securely configure web browsers to resist attacks Defend against malware Define practical enforceable security policies Use the 6 Ps to assess technical and human aspects of system security Detect and fix system vulnerability Apply proven security standards and models including Orange Book Common Criteria and Bell LaPadula Ensure physical security and prepare for disaster recovery Know your enemy learn basic hacking and see how to counter it Understand standard forensic techniques and prepare for investigations of digital crime

Network Defense and Countermeasures Chuck Easttom, 2014

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digital signatures and certificates **Guide to Network Defense and Countermeasures** Randy Weaver, 2006-01-09 Guide to Network Defense and Countermeasures 2E is the second of two books that are required for Level One of the Security Certified Program SCP This edition has been revised with updated content and maps clearly to the exam objectives for the current Security Certified Network Professional SCNP exam Although the primary emphasis is on intrusion detection the book also covers such essential practices as developing a security policy and then implementing that policy by performing Network Address Translation setting up packet filtering and installing proxy servers firewalls and virtual private networks Important Notice Media content referenced within the product description or the product text may not be available in the ebook version *Network Defense and Countermeasures* William (Chuck) Easttom, 2014-12-26 [Guide to Network Defense and Countermeasures](#) Randy Weaver, Dawn Weaver, Dean Farwood, 2013-01-01 GUIDE TO NETWORK DEFENSE AND COUNTERMEASURES provides a thorough guide to perimeter defense fundamentals including intrusion detection and firewalls This trusted text also covers more advanced topics such as security policies network address translation NAT packet filtering and analysis proxy servers virtual private networks VPN and network traffic signatures Thoroughly updated the new third edition reflects the latest technology trends and techniques including virtualization VMware IPv6 and ICMPv6 structure making it easier for current and aspiring professionals to stay on the cutting edge and one step ahead of potential security threats A clear writing style and numerous screenshots and illustrations make even complex technical material easier to understand while tips activities and projects throughout the text allow you to hone your skills by applying what you learn Perfect for students and professionals alike in this high demand fast growing field GUIDE TO NETWORK DEFENSE AND COUNTERMEASURES Third Edition is a must have resource for success as a network security professional Important Notice Media content referenced within the product description or the product text may not be available in the ebook version

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organizations use the Internet for day to day communications they can use intrusion detection techniques to deter attacks detect intrusion attempts respond to break ins assess the damage of hack attacks and locate and prosecute intruders Guide to Network Defense and Countermeasures includes coverage of intrusion detection design and implementation firewalls design and implementation virtual private networks VPNs packet filters and network traffic signatures In addition this text prepares students to take the Network Defense and Countermeasures exam which is the second exam for the Security Certified Professional SCP Certification **Network Defense and Counter Measures** Element K Journals,2003-08-01

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