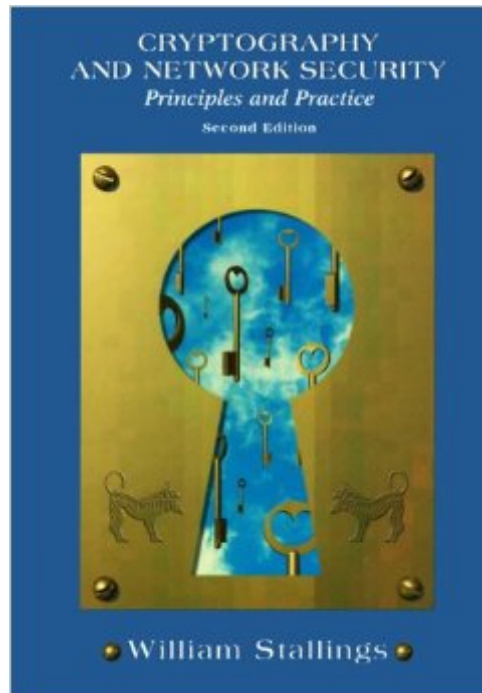


The book was found

Cryptography And Network Security: Principles And Practice (2nd Edition)



Synopsis

Appropriate for undergraduate and graduate level courses in Cryptography and Computer security. Best-selling author and two-time winner of the TEXTY award for the best Computer Science and Engineering text, William Stallings provides a practical survey of both the principles and practice of cryptography and network security. This text, which won the 1999 TAA Award for the best computer science and engineering textbook of the year, has been completely updated to reflect the latest developments in the field. It has also been extensively reorganized to provide the optimal sequence for classroom instruction and self-study.

Book Information

Hardcover: 569 pages

Publisher: Prentice Hall; 2nd edition (June 1998)

Language: English

ISBN-10: 0138690170

ISBN-13: 978-0138690175

Product Dimensions: 1 x 7.5 x 9.8 inches

Shipping Weight: 2.2 pounds

Average Customer Review: 3.8 out of 5 stars [See all reviews](#) (50 customer reviews)

Best Sellers Rank: #2,448,830 in Books (See Top 100 in Books) #33 in [Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Coding Theory](#) #414 in [Books > Computers & Technology > Security & Encryption > Cryptography](#) #569 in [Books > Computers & Technology > Certification > CompTIA](#)

Customer Reviews

This book is intended to serve both as a textbook for an academic course of study, and as a self-study and reference guide for practicing professionals. The material has been extended to emphasize encryption and its central position in network protection. The structure and flow have been reorganized with both classroom use and solo instruction in mind, and additional teaching material, such as additional problems, have been added. Chapter one is an introduction to the topics to be covered. In a practical way it outlines the concerns involved in the phrase computer security, and the priorities occasioned by the networked nature of modern computing. There is also an outline of the chapters and sequence in the rest of the book. While the text does note that cryptographic techniques underlie most of current security technologies this is only done briefly. Examples in the major categories listed would help explain this primary position. Part one deals with conventional,

symmetric, encryption and the various methods of attacking it. Chapter two covers the historical substitution and transposition ciphers. Symmetric block ciphers are discussed in chapter three, illustrated by an explanation of DES (Data Encryption Standard). The additional conventional algorithms of triple DES, IDEA (International Data Encryption Algorithm), and RC5 are reviewed in chapter four. The use of conventional encryption for confidentiality is outlined in chapter five. Part three looks at public-key encryption and hash functions. Chapter six introduces public-key encryption and its uses in confidentiality, authentication, and key management and exchange. Number theory is the basis of these modern algorithms, so some basic mathematical concepts are outlined in chapter seven.

[Download to continue reading...](#)

Cryptography and Network Security: Principles and Practice (2nd Edition) Cryptography and Network Security: Principles and Practice (3rd Edition) Network Marketing Success Blueprint: Go Pro in Network Marketing: Build Your Team, Serve Others and Create the Life of Your Dreams (Network Marketing ... Scam Free Network Marketing) (Volume 1) Social Security & Medicare Facts 2016: Social Security Coverage, Maximization Strategies for Social Security Benefits, Medicare/Medicaid, Social Security Taxes, Retirement & Disability, Ser Network Marketing: Network Marketing Recruiting for Facebook: How to Find People to Talk to and What to Say When You Do (MLM Recruiting, Direct Sales, Network Marketing, Home Business) Network Marketing For Introverts: Guide To Success For The Shy Network Marketer (network marketing, multi level marketing, mlm, direct sales) Network Marketing : How To Recruit Prospect Step By Step From Newbies To Professional in network marketing: network marketing, multiple marketing, MLM, ... Step from Newbies to Professional Book 5) Nmap Network Scanning: The Official Nmap Project Guide to Network Discovery and Security Scanning Computer Security and Cryptography CompTIA Security+ Guide to Network Security Fundamentals (with CertBlaster Printed Access Card) Computer Security: Principles and Practice (2nd Edition) (Stallings) Inside Network Perimeter Security (2nd Edition) Principles And Practice of Mechanical Ventilation, Third Edition (Tobin, Principles and Practice of Mechanical Ventilation) Principles and Practice of Gynecologic Oncology (Principles and Practice of Gynecologic Oncology (Hoskins)) ASTNA Patient Transport: Principles and Practice, 4e (Air & Surface Patient Transport: Principles and Practice) DeVita, Hellman, and Rosenberg's Cancer: Principles & Practice of Oncology (Cancer: Principles & Practice (DeVita)(2 Volume Set) Computer Security: Principles and Practice (3rd Edition) Computer Security: Principles and Practice Security Analysis: Sixth Edition, Foreword by Warren Buffett (Security Analysis Prior Editions) Network Performance and Optimization Guide: The Essential Network Performance Guide

For CCNA, CCNP and CCIE Engineers (Design Series)

[Dmca](#)