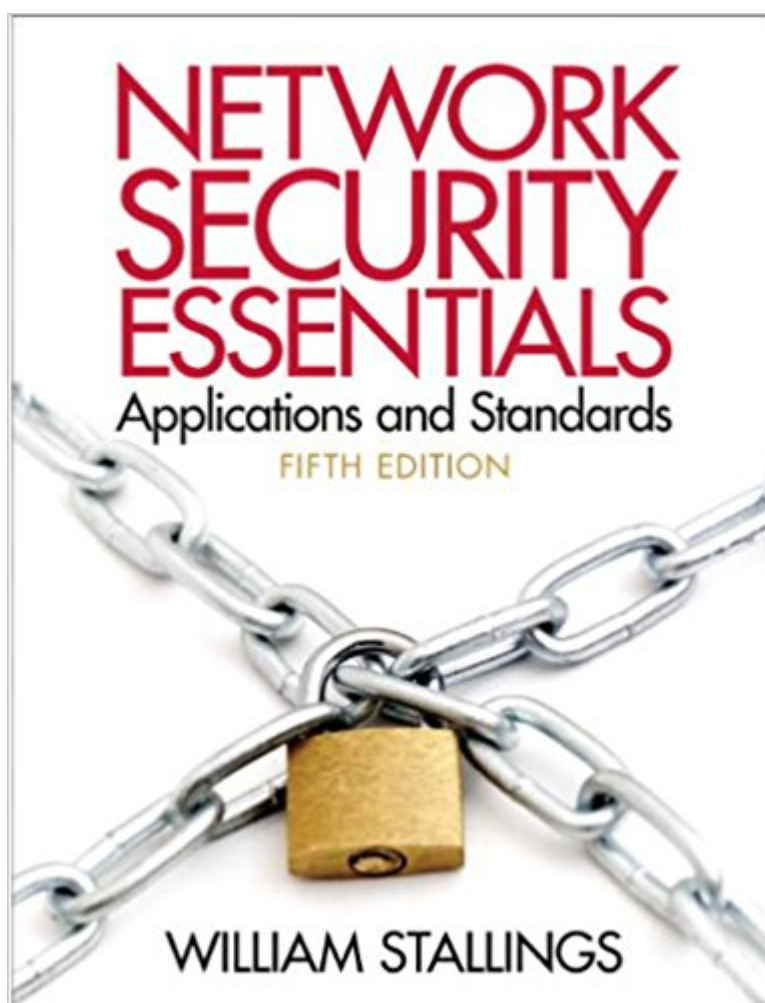


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# Network Security Essentials Applications And Standards (5th Edition)



## Synopsis

Intended for college courses and professional readers where the interest is primarily in the application of network security, without the need to delve deeply into cryptographic theory and principles (system engineer, programmer, system manager, network manager, product marketing personnel, system support specialist). **Network Security: Applications and Standards, Fifth Edition** is a practical survey of network security applications and standards, with unmatched support for instructors and students. In this age of universal electronic connectivity, viruses and hackers, electronic eavesdropping, and electronic fraud, security is paramount. **Network Security: Applications and Standards, Fifth Edition** provides a practical survey of network security applications and standards, with an emphasis on applications that are widely used on the Internet and for corporate networks. An unparalleled support package for instructors and students ensures a successful teaching and learning experience. Adapted from **Cryptography and Network Security, Sixth Edition**, this text covers the same topics but with a much more concise treatment of cryptography.

## Book Information

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## Customer Reviews

As we enter the age of universal electronic connectivity in which viruses, hackers, electronic eavesdropping, and electronic fraud can threaten the prosperity and productivity of corporations and individuals, security is increasingly important. Fortunately, the discipline of network security has matured, leading to the development of practical, available applications to enforce network security. This book provides an integrated, comprehensive, up-to-date coverage of internet-based security

tools and applications vital to any treatment of data communications or networking. Best-selling author and four-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 network security. Well organized to provide the optimal sequence for classroom instruction and self-study, this text includes these key features. Covers important network security tools and applications, including Kerberos, X.509v3, PGP, S/MIME, IP security, SSL/TLS, and SET. Chapters on Web security and network management security (SNMPv3). Looks at system-level security issues, including the threat of and countermeasures for intruders and viruses, and the use of firewalls and trusted systems. On-line transparency masters, an Internet mailing list, and links to relevant Web sites are available at

Dr. William Stallings has authored 17 titles, and counting revised editions, over 40 books on computer security, computer networking, and computer architecture. His writings have appeared in numerous publications, including the Proceedings of the IEEE, ACM Computing Reviews and Cryptologia. He has 11 times received the award for the best Computer Science textbook of the year from the Text and Academic Authors Association. In over 30 years in the field, he has been a technical contributor, technical manager, and an executive with several high-technology firms. He has designed and implemented both TCP/IP-based and OSI-based protocol suites on a variety of computers and operating systems, ranging from microcomputers to mainframes. As a consultant, he has advised government agencies, computer and software vendors, and major users on the design, selection, and use of networking software and products. He created and maintains the Computer Science Student Resource Site at [ComputerScienceStudent.com](http://ComputerScienceStudent.com). This site provides documents and links on a variety of subjects of general interest to computer science students (and professionals). He is a member of the editorial board of Cryptologia, a scholarly journal devoted to all aspects of cryptology. Dr. Stallings holds a PhD from M.I.T. in Computer Science and a B.S. from Notre Dame in electrical engineering.

This book seems to have an identity crisis - on one hand it goes into great detail on the MIME format of email (unrelated to security), while on the other it dedicated very little space to several critically important security concepts (e.g. HTTPS certificate usage in web browsers and modern cert practices). Much of the book is outdated, which also detracts heavily. The book does, however, provide a plethora of additional resources to turn to in order to fill in the many missing gaps. I felt I purchased a list of abbreviations and external resources instead of a complete book. I've worked in

this field for decades, and don't find this book ideal for either beginners or experts. With the format of the questions at the end of each chapter, I believe this book is only intended to be used in a college setting as part of a course where additional material is available.

It is OK but fails to put things in perspective. Disproportionately heavy on encryption, but very thin on other aspects of network security.

Book does not seem to use current terms and it is more of a mathematical digest in cryptography than modern practicality.

Had to get for class! Wouldn't buy again. I hope they got another book.

I had to get this book for my network security class. Overall, I found it a good reference but only about average as far as textbooks go. Being a very short book, it's an excellent reference when you have an existing basic understanding of the technology, but I wouldn't advise using this book as an introduction by itself. In my case, it was helpful for review, but not nearly as useful for first learning the material.

I bought this book for an information security advanced networking class and have found it useful. I found it to be a good companion for more howto style books. For example, it goes into detail about how encryption algorithms work with descriptive figures which helped me to understand the topic. One thing I took away from that subject is that encryption algorithms should be straightforward and still the ciphertext should be very difficult to decrypt without the key. It makes any weaknesses in the algorithm easier and much more likely to be identified. Hadn't thought about the problem from that perspective before. Makes sense.

If I didn't need it for class - I would not have bought this. Very dry. There has to be other books that aren't as cumbersome.

Decent read for anyone taking on netsec but do not expect vendor-specific detail here (nor should you be).

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