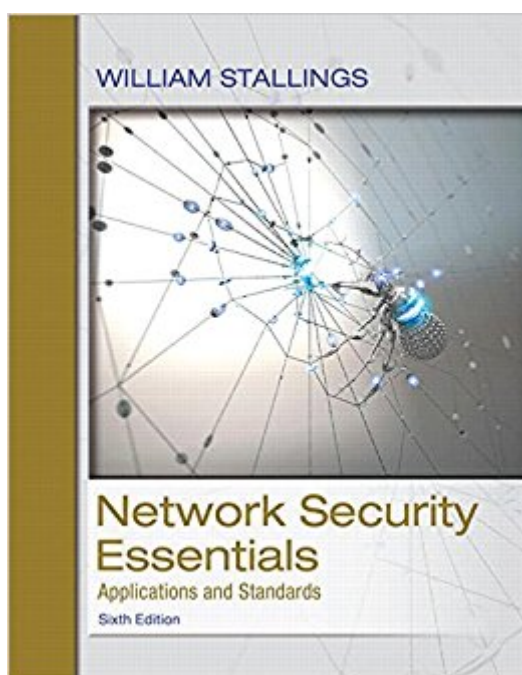


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# Network Security Essentials: Applications And Standards (6th Edition)



## Synopsis

For courses in Corporate, Computer and Network Security . Network Security: Innovations and Improvements Network Securities Essentials: Applications and Standards introduces readers to the critical importance of internet security in our age of universal electronic connectivity. Amidst viruses, hackers, and electronic fraud, organizations and individuals are constantly at risk of having their private information compromised. This creates a heightened need to protect data and resources from disclosure, guarantee their authenticity, and safeguard systems from network-based attacks. The Sixth Edition covers the expanding developments in the cryptography and network security disciplines, giving readers a practical survey of applications and standards. The text places emphasis on applications widely used for Internet and corporate networks, as well as extensively deployed internet standards.

## Book Information

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## Customer Reviews

Dr. William Stallings has authored 18 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 Cryptologic. He has 13 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 Ph.D. from MIT 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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