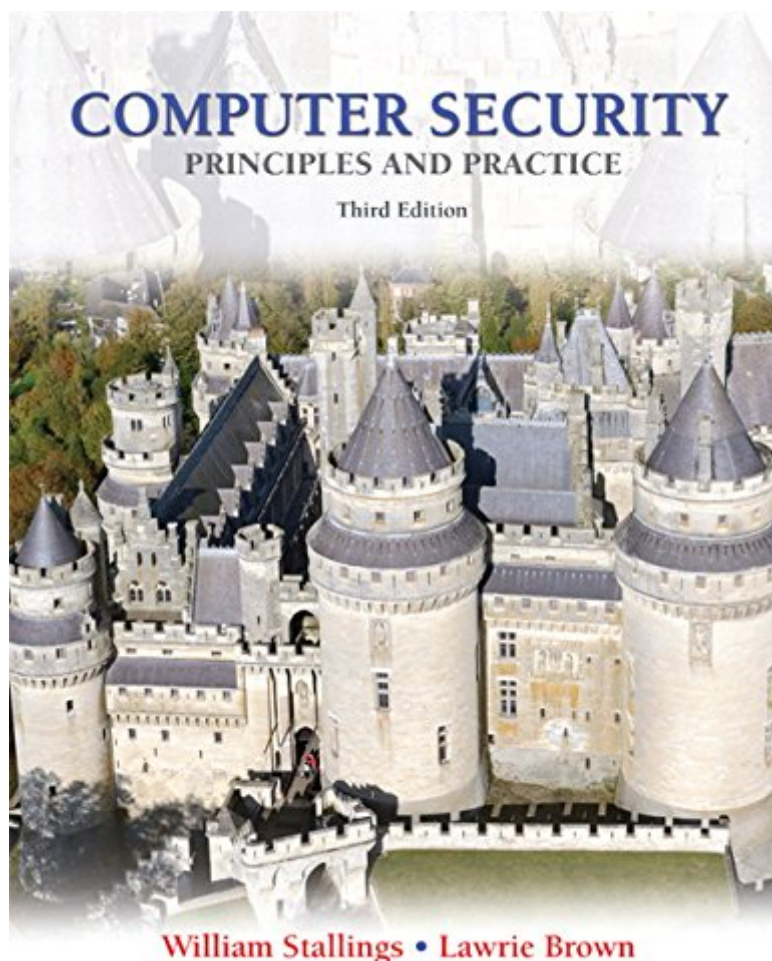


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# Computer Security: Principles And Practice



## Synopsis

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. *Computer Security: Principles and Practice, Third Edition*, is ideal for courses in Computer/Network Security. It also provides a solid, up-to-date reference or self-study tutorial for system engineers, programmers, system managers, network managers, product marketing personnel, system support specialists. In recent years, the need for education in computer security and related topics has grown dramatically and is essential for anyone studying Computer Science or Computer Engineering. This is the only text available to provide integrated, comprehensive, up-to-date coverage of the broad range of topics in this subject. In addition to an extensive pedagogical program, the book provides unparalleled support for both research and modeling projects, giving students a broader perspective. It covers all security topics considered Core in the IEEE/ACM Computer Science Curriculum. This textbook can be used to prep for CISSP Certification, and includes in-depth coverage of Computer Security, Technology and Principles, Software Security, Management Issues, Cryptographic Algorithms, Internet Security and more. The Text and Academic Authors Association named *Computer Security: Principles and Practice, First Edition*, the winner of the Textbook Excellence Award for the best Computer Science textbook of 2008. Teaching and Learning Experience This program presents a better teaching and learning experience for you and your students. It will help:

- Easily Integrate Projects in your Course: This book provides an unparalleled degree of support for including both research and modeling projects in your course, giving students a broader perspective.
- Keep Your Course Current with Updated Technical Content: This edition covers the latest trends and developments in computer security.
- Enhance Learning with Engaging Features: Extensive use of case studies and examples provides real-world context to the text material.
- Provide Extensive Support Material to Instructors and Students: Student and instructor resources are available to expand on the topics presented in the text.

## Book Information

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## Customer Reviews

Unless you're already steeped in the cyber security field, (possibly not needing this book) it would best to look elsewhere! And possibly even if you're already steeped in the field, which I'm not, you probably can still find a much better book for learning. I find the book poorly written (like basic sentence structure, etc.), confusingly annotated, and even the very thin glossy paper makes it difficult to read. Further, each chapter is choppy presented, starting briefly with few basic concepts. But before those are truly explained, it veers into highly complicated mathematical ones and a seeming insider's academically competitive view of who discovered what, leaving even the essential understandings "in the dust." BUT MY BIGGEST GRIPE is the price, which comes with time-consuming, ultra-frustrating hoops and unannounced limitations through which Pearson puts their customers to try to obtain what they promise for learning from their stuff. Required for a law course on my end, I was told not to buy used, but to spend the more than \$140 (incl. taxes) to buy new, with the access codes bound in, giving access to online Power Points and Q&A's which supposedly make understanding easier. I have spent over 4 hours now trying to get their very messily printed, unworkable "access codes" to work, have talked to their customer support in the Phillipines and have jumped through their hoops for over an hour, etc. and still can't get into the Pearson online "premium site". Upon my first call to customer support, I got to a man who seemed to take over my screen, with the page scrolling without my touching the computer (creepy!) When I asked him about that he hung up on me. The second customer support person was nice, but very difficult to understand.

Book Review for SDSUG Computer Security Principles and Practice 3rd Ed. William Stallings & Lawrie Brown Pearson, 820 Pages List Price: \$135-140 What he first open the book you will notice that the table of contents is very long. The preface lists what is new to background and interestingly objectives which I found very useful, it also discusses CISSP coverage areas and lists additional student resources. At the first chapter, chapter zero, gives an outline of the book and lists support for various certifications. The first chapter opens with Computer Security concepts, by first defining what Computer Security is some of the challenges and a model for Computer Security one thing I found particularly interesting was a review of a of the fundamental security design principles and attack at vectors. The book also combines several chapters into parts, with part one being Computer Security Technology and principals. The section on digital signatures and key management was very interesting and useful sense public key encryption is becoming more and more popular it is especially relevant for those of us who work in the Department of Defense or other Federal sectors. All chapters end with practical applications, review questions and a listing of key terms. I personally found the review of key terms to be very useful, especially if you are using this book to teach Computer Security. Chapter 5 covers database and cloud security. The diagrams of cloud service models are provided, which include software as a service, platform as a Service and infrastructure as a service; NIST deployment models are also covered. One of the highlights chapter was a security risks and countermeasures, including shared technology issues and unknown risks profiles.

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