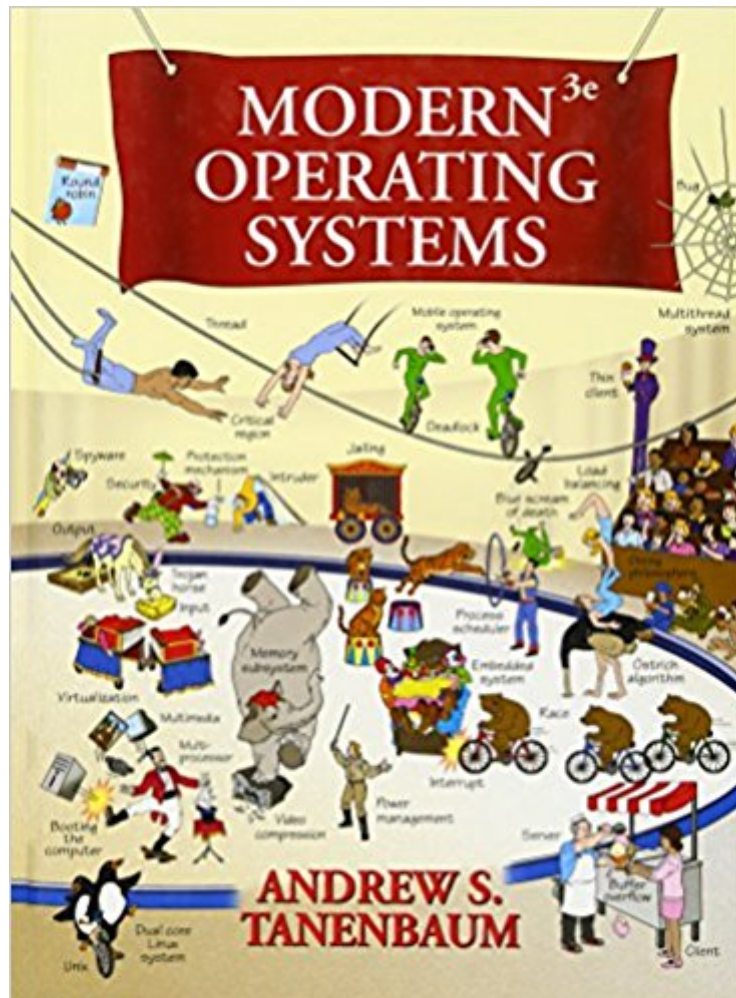




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# Modern Operating Systems (3rd Edition)



## Synopsis

~ ~ The widely anticipated revision of this worldwide best-seller incorporates the latest developments in operating systems technologies.~ ~ The Third Edition includes up-to-date materials on relevant operating systems such as Linux, Windows, and embedded real-time and multimedia systems. Includes new and updated coverage of multimedia operating systems, multiprocessors, virtual machines, and antivirus software. Covers internal workings of Windows Vista (Ch. 11); unique even for current publications. Provides information on current research based Tanenbaum's experiences as an operating systems researcher. A useful reference for programmers.

## Book Information

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## Customer Reviews

Andrew S. Tanenbaum has an S.B. degree from M.I.T. and a Ph.D. from the University of California at Berkeley. He is currently a Professor of Computer Science at the Vrije Universiteit in Amsterdam, The Netherlands, where he is head of the Computer Systems Department. He is also the Dean of the Advanced School for Computing and Imaging, an interuniversity graduate school doing research on advanced parallel, distributed, and imaging systems. Nevertheless, he is trying very hard to avoid turning into a bureaucrat. In the past, he has done research on compilers, operating systems, networking, and local-area distributed systems. His current research focuses primarily on the design of wide-area distributed systems that scale to a billion users. This research is being done together with Dr. Maarten van Steen. Together, all his research projects have led to over 90 refereed papers

in journals and conference proceedings and five books. Prof. Tanenbaum has also produced a considerable volume of software. He was the principal architect of the Amsterdam Compiler Kit, a widely-used toolkit for writing portable compilers, as well as of MINIX, a small UNIX clone intended for use in student programming labs. Together with his Ph.D. students and programmers, he helped design the Amoeba distributed operating system, a high-performance microkernel-based distributed operating system. The MINIX and Amoeba systems are now available for free via the Internet. His Ph.D. students have gone on to greater glory after getting their degrees. He is very proud of them. In this respect he resembles a mother hen. Prof. Tanenbaum is a Fellow of the ACM, a Fellow of the IEEE, a member of the Royal Netherlands Academy of Arts and Sciences, winner of the 1994 ACM Karl V Karlstrom Outstanding Educator Award, and winner of the 1997 ACM/SIGCSE Award for Outstanding Contributions to Computer Science Education. He is also listed in Who's Who in the World. His home page on the World Wide Web can be found at URL <http://www.cs.vu.nl/~ast/>.

Andrew S. Tanenbaum is certainly qualified to write a book on Operating Systems, as he wrote one of (if not the) first open source operating system, called Minix. It is not widely known that Minix was actually the inspiration for Linus Torvalds to write Linux. Despite having a different philosophy in the best design of OSes, Prof. Tanenbaum is quite fair and objective in comparing other designs. For example, Prof. Tanenbaum clearly prefers the Microkernel design to the Monolithic kernel, but he covers the pros and cons of each. This book was required for my University course "Computer Operating Systems," but I found it to be a very interesting read. I think I learned more practical knowledge from this book than from any other course I took for my Computer Science degree, except for maybe Programming Concepts. I highly recommend this book, although to be honest the price is a little high. I don't think you'll be disappointed if you do buy this, but if I hadn't have been forced I probably would have looked for something around \$30 instead.

Nothing modern about this book. There is a newer version but I had to have it for a class. There is a lot of details and information that most anyone would never need to know about operating systems. It is also write vary dry huge blocks of run on text on the topics. Find something else if you are interested in learning about operating systems.

This book is terrible. I needed it for a class, and it was pure torture to read. I have had similar course material and read similar books that were far better. It is very mundane, and the author appears to

go out of his way to give a 20-word description of a 2-word concept. He uses as many fancy words as possible to show off his intelligence, but the end result is a book that is horrible to read through. He does a terrible job of explaining things to student-level readers, and the questions at the end of a chapter are even worse. Many of them are impossible to answer based on the text. Worst. Textbook. Ever.

If you want a brand new, \$150 3rd edition for under \$25 US, this is it. Contrary to some pirated, international, abbreviated, etc. editions, this Indian print edition contains the FULL CONTENT IN ENGLISH of the original third edition if it is advertised as Pearson or PHI. This is PHI's approved Asian knock off, and has lighter paper and grayscale illustrations, but a page for page comparison with the \$150 version showed ZERO content differences. This is generally available with both India and US shipment options, so check sellers carefully. The 10 pound paper difference makes NO difference if you underline, write in margins or highlight-- there is no bleed through in either. I've bought several of these for donations to schools, including one of these brand new FROM INDIA for \$18 US including ONE WEEK shipping and bulletproof packaging-- arrived faster and in better condition than most US purchases, but honestly international shipping is a risk if the seller is new. I'm not generally a supporter of International editions, especially with content missing, but want shoppers on a budget to know the difference, if content is what matters to you-- buying a new one of these will give you much higher quality and longer life than an "acceptable" US version for \$80! Buy from a seller that promises no content differences, PHI publishing, and the same cover as shows, and you'll get identical content To Tananbaum 3E.

I was assigned this book for my operating systems class and overall found it very beneficial to my understanding of operating systems. There isn't a lot of c code in the book, but lots of good explanations of concepts, and algorithms. If you aren't a CS student and want a good in depth reference guide for operating systems, i would recommend this book.

Great book. Lots of information.

As a computer science student I wasted a lot of time on Operating System Concepts by Abraham Silberschatz, Peter B. Galvin and Greg Gagne. If you have a choice buy Modern Operating Systems by Andrew S. Tanenbaum. It is much better written.

I bought the book two years ago but started to really delve into it recently, pros: 1. author is really a pro in computer area and knows a bunch of fields including hardware, software and can pick analogy from other fields, other than OS to help your understanding. 2. as one Chinese, it is quite important for the author use a standard English writing style, as I find in this book. 3. force you to think, not to remember. it talks a concept from scratch, which I mean it starts from simple solution and phrase why it will not work. And it talks about the pros and cons of different solutions. 4. As one computer engineering student, I find some hardware implementation details to be totally useful. OS is tightly related to hardware, so it is also natural to deviate from OS to talk about some hardware. cons: 1. sometimes too many legacy solutions show up and you have to pick some that catch your most. eg. paging replacement algorithm: author talks about a bunch of solutions but I can only remember a few of them, so it is better for the reader to do some preview before reading a long parallel section otherwise you will be mind-numbed. overall one of the few best computer science books I've read.

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