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By Andrew S. Tanenbaum

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This book takes a modern structured, layered approach to understanding computer systems. It's highly accessible - and it's been thoroughly updated to reflect today's most critical new technologies, including Pentium II and UltraSPARC microprocessors, Windows NT and Java Virtual Machines.Tanenbaum and Goodman present a computer as a series of layers, each one built upon the ones below it, and understandable as a separate entity. The book includes detailed coverage at the digital logic and micro-architecture levels, instruction set level, and operating system machine level, and contains a completely rewritten and updated chapter on parallel computer architecture. This new edition includes a wealth of new material about modern I/O devices, a detailed discussion of the Java Virtual Machine (including a microprogrammed implementation of a subset of a JVM), extensive coverage of multiprocessing, and much more.For all computer professionals and engineers who need an overview or introduction to computer architecture.

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Editorial Review

From the Publisher
An introduction to those aspects of computer hardware and architecture that affect programming.

From the Back Cover
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