

<<操作系统设计与实现>>

图书基本信息

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作者：(美)ANDREW S.TANENBAUM,ALBERT S.WOODHULL

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内容概要

本书是著名作者Andrew S.Tanenbaum关于操作系统的权威教材。

多数操作系统的教材只重理论而轻实践，本书力图实现这两者之间的平衡。

本书首先详细探讨了操作系统的基本原理，如进程、进程间通信、信号量、消息传递、调度算法、输入/输出、死锁、设备驱动程序、存储管理、调页算法、文件系统设计、安全和保护机制等，然后详细讨论了一个具体的操作系统MINIX3的实现，并给出了该系统的完整源代码，以便于读者仔细研究。这样不仅可以让读者掌握操作系统的基本原理，而且可让读者明白这些基本原理如何应用到实际操作系统设计中去，从而提供读者的实际设计和实现能力。

本书可以作为高等院校计算机及相关专业“操作系统”的双语教材，对程序开发人员、工程技术人员、系统架构师等专业人员也具有很高的参考价值。

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编辑推荐

本书全书共分6个部分，对操作系统的设计与实现作了介绍，具体包括进程、进程间通信、信号量、消息传递、调度算法、输入/输出、死锁等。
该书可供各大专院校作为教材使用，也可供从事相关工作的人员作为参考用书使用。

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