

<<操作系统>>

图书基本信息

书名：<<操作系统>>

13位ISBN编号：9787302057109

10位ISBN编号：7302057109

出版时间：2002-9

出版时间：清华大学出版社

作者：Davis,Rajkumar著

页数：608

版权说明：本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问：<http://www.tushu007.com>

## <<操作系统>>

### 内容概要

本书介绍操作系统的实践和应用。

读者对象是使用（而非设计）计算机，操作系统和网络的人员。

只要求读者有适当的计算机基本概念，不要求有高深的数学知识和编程经验。

与以前几个版本相比，新版除在文字和内容上作了修改外，增加了不少新的内容，如：Windows 2000，Intel奔腾处理机体系结构，C / S网络结构，Novell Netware，Internet，UNIX/Linux等。

因此全书内容更和富，更加实用。

全书共分5个部分：I.复习基本计算机概念，起到填平补齐的作用；II.介绍操作系统的基本主要概念；III.用户和程序员与操作系统的通信，主要讨论用户接口、命令语言或作业控制语言，结合各种具体的操作系统讲解MS - DOS，Windows 2000，UNIX/Linux，IBM的MVS / JCL等；IV.结合机器内部，进一步讨论上述各种操作系统；V.讨论网络，网络操作系统，包括C / S网络操作系统，Novell Netware，Windows 2000服务器，Internet。

## &lt;&lt;操作系统&gt;&gt;

## 书籍目录

Preface  
1 Introduction and Overview  
What Is an Operating System?  
The Components of a Modern Operating System  
A Look Ahead  
Summary  
Key Words  
Exercises  
PART 1: SYSTEM RESOURCES  
2 Hardware  
Memory  
Physical Memory Devices  
Bytes and Words  
Addressing Memory  
Cache Memory  
The Processor  
Program Instructions  
The Processor's Components  
Machine Cycles  
Microsoft  
Input and Output Devices  
Secondary Storage  
Diskette  
Hard Disk  
Backup  
Other Secondary Media  
The Directory  
Linking the Components  
Summary  
Key Words  
Exercises  
3 Software and Data  
Hardware, Software, and Data  
Software  
Absolute and Relative Addressing  
Programming Languages  
Traditional Structured Software  
Object-Oriented Software  
Libraries  
Reentrant Code  
Data  
Data Elements  
Data Structures  
Data Files  
The Relative Record Concept

## &lt;&lt;操作系统&gt;&gt;

Access Techniques  
Database Management  
Summary  
Key Words  
Exercises  
4 Linking the Components  
Linking Internal Components  
The Bus  
Word Size  
Machine Cycles  
Architectures  
Single-Bus Architecture  
Interfaces  
Channels and Control Units  
Multiple-Bus Architecture  
Logical and Physical I/O  
Primitives  
Open  
Accessing Data  
Networks  
Messages and Signals  
Network Types  
Network Topology  
Network Management  
Summary  
Key Words  
Exercises  
PART 2: BASIC OPERATING SYSTEM  
CONCEPTS  
5 The Shell, the IOCS, and the File System  
An Operating System's Basic Functions  
The User Interface  
The Command Processor or Shell  
The Command Language  
Batch Commands  
Device Management  
The Input/Output Control System  
Logical and Physical I/O  
Interrupts and Device Synchronization  
The File System  
Loading a Program  
Opening and Closing Data Files  
Disk Space Management  
The Boot  
Utilities  
Summary  
Key Words

## &lt;&lt;操作系统&gt;&gt;

Exercises

6 Memory Management and Processor Management

Memory Management

Resident and Transient Routines

Concurrency

Partitions and Regions

Segmentation

Paging

Segmentation and Paging

Memory Protection

Overlay Structures

Virtual Memory

Implementing Virtual Memory

Addressing Virtual Memory

Page Faults

Thrashing

Multiprogramming

The Dispatcher

Control Blocks

Interrupts

Time-Sharing

Roll-In/Roll-Out

Time-Slicing

Polling

Scheduling and Queuing

Spooling

Deadlock

Summary

Key Words

Exercises

PART 3: COMMUNICATING

WITH THE OPERATING SYSTEM

7 The User Interface

User Interface Functions

Types of User Interfaces

A Human Perspective

Learning a User Interface

Summary

Key Words

Exercises

8 MS-DOS Commands

MS-DOS

MS-DOS Commands

The Chapter Tutorial

Getting Started

Selecting the Default Drive

Formatting a Diskette

## &lt;&lt;操作系统&gt;&gt;

The File System  
File Names  
Directories  
Subdirectories  
Path Names  
Viewing a Directory  
Creating Directories  
Creating Files  
Changing Directories  
Manipulating Files  
Batch Files  
Program Files  
Pipes, Filters, and Redirection  
Returning to Windows  
Summary  
Key Words  
Exercises  
9 Windows 2000  
Windows 2000  
The User Interface  
Getting Help  
Executing a Program  
Switching Between Programs  
Maximizing and Minimizing a Window  
The Menu Bar  
Quitting a Program  
Shutting Down  
Working With the Windows File System  
Formatting a Disk  
File Names  
Directories (or Folders)  
The Windows Explorer  
My Computer  
Creating Directories  
Creating Files  
Copying and Renaming Files  
Copying to a Different Folder  
Copying Multiple Files  
Copying Entire Subfolders  
Manipulating Files  
Searching for Files  
Sorting Files  
Shortcuts to Files  
Deleting Files or Folders  
Command Line Interface  
Windows Scripting Host  
Summary

## &lt;&lt;操作系统&gt;&gt;

Key Words

Exercises

10 UNIX/Linux Commands and Utilities

UNIX

Linux

The UNIX Shell

The Chapter Tutorial

Logging On

The File System

File Names

Directories

Path Names

Viewing a Directory

Creating Directories

Changing Working Directories

Creating Files

Manipulating Files

Pipes, Filters, and Redirection

Shell Scripts

Other Useful Commands

Graphic User Interface

Summary

Key Words

Exercises

11 IBM OS/JCL: JOB and EXEC

Statements

Batch job Control Languages

OS/JCL

Jobs and Job Steps

Catalogued Procedures

JCL Statement Format

JOB Statements

Accounting Information

The Programmer Name

The CLASS Parameter

The TIME Parameter

The REGION Parameter

The MSGLEVEL Parameter

Defaults

Other JOB Parameters

Continuing a JCL Statement

EXEC Statements

The COND Parameter

Other EXEC Parameters

Summary

Key Words

Exercises

<<操作系统>>

12 IBM/OS JCL: DD Statements  
External Device Linkage  
Data Control Blocks  
DD Statements  
Unit Record Hardware  
The UNIT Parameter  
The DCB Parameter  
Magnetic Disk  
UNIT and DCB  
The DISP Parameter  
The DSNAMES Parameter  
The VOLUME Parameter  
The SPACE Parameter  
Some Examples  
Magnetic Tape



<<操作系统>>

版权说明

本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问:<http://www.tushu007.com>