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AN INTRODUCTION TO OPERATING SYSTEMS CONCEPTS AND PRACTICE (GNU/LINUX)

By BHATT, PRAMOD CHANDRA P.

PHI Learning, New Delhi, 2014. Soft cover. Book Condition: New. Structured in four parts? Operating Systems (OS) Concepts, Practice, Overview of contemporary OS and Projects?the Fourth Edition of the book aims to provide a practical view of contemporary OS, covering different design considerations and patterns of use. The section on Concepts covers fundamental principles, such as file systems, process management, memory management, input-output, resource sharing, Inter-process Communication (IPC), distributed computing, OS security, real-time and micro-kernel design. This new edition also comes with a revised section on Practice to make the book compatible with Linux. The entire section is thoroughly revised to enable the students and readers learn the examples based on popular Linux distribution, such as Ubuntu. The coverage of Linux, Windows Vista, VxWorks and OS for mobile/handheld devices, such as Android, continues the tradition of upgrading the book to contemporary OS. The chapter on OS Security is also revised in this edition to reflect the importance of secured engineering practices in OS usage patterns. This book is intended to the students of Computer Science/Engineering, Computer Applications and Information Technology. As the knowledge of Operating Systems is essential for the IT practitioners as well, this book caters to the needs of...



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Introduction to os. Introduction to Operating System. Evolution of Operating System. Types of Operating System. Example: Unix/Linux these can easily run on the personal computer with no cost that means Free. An operating system is mainly used to hide the complexity of the hardware. AN operating system easily manages the computer as programming becomes easier. With the help of an operating system, multitasking becomes easier. Disadvantages of an Operating system. Given below are the drawbacks of using an operating system: Expensive There are some open-source platforms like Linux. System Failure An operating system is the heart of the computer system if due to any reason it will stop functioning then the whole system will crashes. Structured in four parts "Operating Systems (OS) Concepts, Practice, Overview of contemporary OS and Projects" the Fourth Edition of the book aims to provide a practical view of contemporary OS, covering different design considerations and patterns of use. The section on Concepts covers fundamental principles, such as file systems, process management, memory management, input-output, resource sharing, Inter-process Communication (IPC), distributed computing, OS security, real-time and micro-kernel design. This new edition also comes with a revised section on Practice to make the book compatible <https://neanseyer.firebaseio.com/aa483/an-introduction-to-operating-systems-concepts-and-practice-gnu-linux-by-pramodbhatt-chandra-p-b00k6gssde.pdf>. commented Sep 10, 2019 Bikram. reply. Operating Systems Paging In a paging-based memory management system, the page table for a process contains the physical addresses of the pages in that process' address space. Consider a memory management system on a machine with a 32-bit address bus that uses a for storing additional information about a page (besides the physical address of the corresponding frame) in each page table entry? In a paging-based memory management system, the page table for a process contains the physical addresses of the pages in that process' address space. Functions of Operating system " Operating system performs three functions: Convenience: An OS makes a computer more convenient to use. Efficiency: An OS allows the computer system resources to be used in an efficient manner. The operating system is a set of special programs that run on a computer system that allows it to work properly. It performs basic tasks such as recognizing input from the keyboard, keeping track of files and directories on the disk, sending output to the display screen and controlling peripheral devices. Windows (GUI based, PC). GNU/Linux (Personal, Workstations, ISP, File and print server, Three-tier client/Server). macOS (Macintosh), used for Apple's personal computers and work stations (MacBook, iMac). His areas of interest include software architecture and systems design, computer architecture, operating systems, compilers and distributed computing. Customer reviews. 3.0 out of 5 stars. Instead, our system considers things like how recent a review is and if the reviewer bought the item on Amazon. It also analyses reviews to verify trustworthiness. Review this product.