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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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Linux is an operating system or a kernel which germinated as an idea in the mind of young and bright Linus Torvalds when he was a computer science student. He used to work on the UNIX OS (proprietary software) and thought that it needed improvements. However, when his suggestions were rejected by the designers of UNIX, he thought of launching an OS which will be receptive to changes, modifications suggested by its users. Linux Kernel is normally used in combination of GNU project by Dr. Richard Stallman. All modern distributions of Linux are actually distributions of Linux/GNU. The benefits of using Linux. Linux OS now enjoys popularity at its prime, and it's famous among programmers as well as regular computer users around the world. Introduction to Linux. Bash and Basic GNU/Linux and Unix Concepts. 12/4/2019. This class will help you get your toes wet. Unix and Linux are gargantuan topics that only come into focus with experience. Provide some basic concept information for users familiar with MacOS or Windows. Get you familiar with Linux commands for code modifications as long as they are shared. Utilities used in Linux, BSD-derived and proprietary Unix operating systems. All commands in this lesson are from GNU. 12/4/2019. History. Linus Torvalds, in 1991 } Released the first version of his Linux kernel. Started as a study in processor. Linux for Beginners: A Practical and Comprehensive Guide to Learn Linux Operating System and Master Linux Command Line. Contains Self-Evaluation Tests to Verify Your Learning Level. Ethern Mining. Verified Purchase. This is an excellent introduction to Linux. It's brief enough to be read in an afternoon and yet has enough detail to actually get a newbie using the command line to manage files, edit text, inspect and stop processes. Read more. What is Operating System and How it makes communicating with computer hardware easy? This tutorial will give you an introduction to the topic of operating system, its tasks and functions. Introduction to Operating Systems. A computer system has many resources (hardware and software), which may be required to complete a task. The commonly required resources are input/output devices, memory, file storage space, CPU etc. The operating system acts as a manager of the above resources and allocates them to specific programs and users, whenever necessary to perform a particular task. Therefore operating system is the resource manager i.e. it can manage the resource of a computer system internally. The resources are processor, memory, files, and I/O devices. An introduction to Linux and Unix-like systems covering history, system architecture, and distribution characteristics. The rest of the operating system usually includes many GNU libraries, utilities, and other software, from the Free Software Foundation. The operating system as a whole is known as GNU/Linux. Getting Started. Let's begin at the beginning.