

Sumitabha Das Unix Concepts And Applications Free

Your UNIX/Linux: The Ultimate Guide, written with both users and programmers in mind, is the ultimate UNIX/Linux text. Both pedagogical tool and exhaustive reference, it is well-suited to any course that includes UNIX or Linux. A strong pedagogical framework sets it apart from similar texts and allows beginning students to gain a firm grasp of fundamental concepts, while chapters on advanced topics inspire the more experienced reader to move beyond the basics. Nearly a thousand exercises and self-test questions provide a way for students to test and reinforce their understanding of the material.

Unix has always been a fascinating subject. It allows you to experiment and play with programs to get interesting results. More over with Linux you can make best use of the graphics interface. Various chapters in the book take you around the many aspects of basic Unix commands, shell scripts and editing files with the help of commands. The Book is meant for beginners as well as experienced users. The goal of this book is to help the students of B. Sc. (Comp. Sc.), B. Sc. (I.T.), Engineering and Diploma in computer science/ Information Technology. I feel that there is room for improvement in every work. Suggestions regarding the improvement are always welcomed.

Unix. Possibly, The Longest Living Entity In The Computer Land Where Nothing Survives More Than A Couple Of Years, A Decade At The Most. It Has Been Around For More Than Two Decades, Owing Its Longevity To The Ruggedness Built Into It And Its Commands. This Book Comes In Two Parts. The First Part Is A Journey Into The Vast Expanse That Is Unix. The Intent Is To Make You Aware Of The Underlying Philosophy Used In Development Of Myriads Of Unix Commands Rather Than Telling You All The Variations Available With Them.

Covering 6.0, the latest version of Red Hat Linux, this book also explores Linux on Intranet servers and use of Linux with other operating systems. The CD-ROM features gnu tools, utilities for administrators, and useful scripts.

The Third Edition Incorporates Major Revisions, Moderate Additions, And Minor Deletions. It Focuses On The Two Major Versions Of Unix - Solaris And Linux. The Two-Part Structure Od The Previous Edition Has Been Maintained. The Fundamental Aspects Of The System Are Covered In Part I, Whereas The Intermediate And Advances Concepts Are Explained In Part Ii. Salient Features : Two New Chapters On Unix Systems Programming - The File And Process Control. Complete Chapter Devoted To Tcp/Ip Network Of Administration. Enhanced Coverage On Linux. Updated Coverage On The Internaeet And The Http Protocol. End-Of-Chapter Questions Grouped Under Test Your Understanding With Answers In Appendix C And Flex Your Brain. Also Conforms To The Latest Revised Doeacca Level Syllabus Effective July 2003.

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. For an introductory course on UNIX. UNIX for Programmers and Users, Third Edition follows in the tradition of previous editions to provide students with complete, up-to-date coverage of UNIX. In this new edition they will find information on basic concepts, popular utilities, shells, networking, systems programming, internals, system administration, and much more.

Shell Scripting Made Easy If you want to learn how to write shell scripts like a pro, solve real-world problems, or automate repetitive and complex tasks, read on. Hello. My name is Jason Cannon and I'm the author of Linux for Beginners, Python Programming for Beginners, and an instructor to thousands of satisfied students. I started my IT career in the late 1990's as a Unix and Linux System Engineer and I'll be sharing my real-world shell scripting and bash programming experience with you throughout this book. By the end of this book you will be able to create shell scripts with ease. You'll learn how to take tedious and repetitive tasks and turn them into programs that will save you time and simplify your life on Linux, Unix, or MAC systems. Here is what you will get and learn by reading this Shell Scripting book: A step-by-step process of writing shell scripts that solve real-world problems. The #1 thing you must do every time you create a shell script. How to quickly find and fix the most shell scripting errors. How to accept input from a user and then make decisions on that input. How to accept and process command line arguments. What special variables are available, how to use them in your shell scripts, and when to do so. A shell script creation check list -- You'll never have to guess what to include in each of your shell scripts again. Just use this simple check list. A shell script template (boilerplate). Use this format for each of your shell scripts. It shows exactly what to include and where everything goes. Eliminate guesswork! Practice exercises with solutions so you can start using what you learn right away. Real-world examples of shell scripts from my personal collection. A download that contains the scripts used in the book and lessons. You'll be able to look at and experiment with everything you're learning. Learn to Program Using Any Shell Scirpting Language What you learn in this book can be applied to any shell, however the focus is on the bash shell and you'll learn some really advanced bash features. Again, whether you're using bash, bourne (sh), KornShell (ksh), C shell (csh), Z shell (zsh), or even the tcsh shell, you'll be able to put what you learn in this book to good use. Perfect for Linux, Unix, Mac and More! Also, you'll be able to use these scripts on any Linux environment including Ubuntu, Debian, Linux Mint, RedHat, Fedora, OpenSUSE, Slackware, Kali Linux and more. You're scripts will even run on other operating systems such as Apple's Mac OS X, Oracle's Solaris, IBM's AIX, HP's HP-UX, FreeBSD, NetBSD, and OpenBSD. Scroll up, click the Buy Now With 1 Click button and get started learning Linux today!

C++ was written to help professional C# developers learn modern C++ programming. The aim of this book is to leverage your existing C# knowledge in order to expand your skills. Whether you need to use C++ in an upcoming project, or simply want to learn a new language (or reacquaint yourself with it), this book will help you learn all of the fundamental pieces of C++ so you can begin writing your own C++ programs. This updated and expanded second edition of Book provides a user-friendly introduction to the subject, Taking a clear structural framework, it guides the reader through the subject's core elements. A flowing writing style combines with the use of illustrations and diagrams throughout the text to ensure the reader understands even the most complex of concepts. This succinct and enlightening overview is a required reading for all those interested in the subject .We hope you find this book useful in shaping your future career & Business.

"Steve Bull is a true expert in his field. Anyone interested in winning will profit from his experience and knowledge." —Andrew 'Freddie' Flintoff "Steve Bull's ideas and techniques will equip anyone in business with a game plan for acquiring the winning edge." —From the Foreword by Michael Vaughan Mental toughness goes hand in hand with success and yet it is often

misunderstood. True mental toughness is about preparation, resilience, control, risk management and above all execution. So, how do you utilise this elusive but critical attribute? By starting with a "game plan." The Game Plan is about winning. More importantly, it's about you winning. It's about how you can create a personal performance environment that enables you to deliver at the crucial times. The Game Plan explores different types of mental toughness and examines how each one can give you the platform for significantly increased levels of self-confidence and resilience. Learn the easy-to-apply lessons that have created an environment of success for a host of world-beating performers in the business world and beyond. Imagine being able to apply a winning performance mindset to everyday work situations such as: Making presentations razor sharp Wowing new clients Being in control during performance appraisals Staying cool during even the most hectic and pressurized days Maintaining your self-belief even when things go wrong Making the right decision at the right time. Read and learn from The Game Plan and you will have at your fingertips a robust strategy to give you the edge over your closest competitors and the very best chance of success.

Learn to write advanced C programs that are strongly type-checked, compact, and easy to maintain. This book focuses on real-life applications and problem solving in networking, database development, compilers, operating systems, and CAD.

UNIX, UNIX LINUX & UNIX TCL/TK. Write software that makes the most effective use of the Linux system, including the kernel and core system libraries. The majority of both Unix and Linux code is still written at the system level, and this book helps you focus on everything above the kernel, where applications such as Apache, bash, cp, vim, Emacs, gcc, gdb, glibc, ls, mv, and X exist. Written primarily for engineers looking to program at the low level, this updated edition of Linux System Programming gives you an understanding of core internals that makes for better code, no matter where it appears in the stack. -- Provided by publisher.

This book is for novices If you have never done any programming before - if you are a complete novice - this book is for you. This book assumes no prior knowledge of programming. It starts from scratch. It is written in a simple, direct style for maximum clarity. It is aimed at first level students at universities and colleges, but it is also suitable for novices studying alone. The approach of this book We explain how to use objects early in this book. Our approach is to start with the ideas of variables, assignment and methods, then introduce the use of objects created from library classes. Next we explain how to use control structures for selection and looping. Then comes the treatment of how to write your own classes. We wanted to make sure that the fun element of programming was paramount, so we use graphics right from the start. We think graphics is fun, interesting and clearly demonstrates all the important principles of programming. But we haven't ignored programs that input and output text - they are also included. The programs we present use many of the features of a graphical user interfaces (GUIs), such as buttons, scroll bars and text boxes. But we also explain how to write console programs in Java. We introduce new ideas carefully one-at-a-time, rather than all at once. So, for example, there is a single chapter on writing methods. We introduce simple ideas early and more sophisticated ideas later on.

UNIX AND SHELL PROGRAMMING emphasizes on three most popular shells known as Bourne Shell, C shell, and Korn shell with many worked out shell programs. Evidently, this book is written by considering the standards of current Engineering Students in India and especially their standards in English. The interactive sessions are enclosed in windows in order to make students comfortable with the system.

This expansive resource covers every aspect of UNIX--the fast-growing, open-source operating system. All existing chapters have been revised to provide the most cutting-edge coverage of the latest versions of UNIX. It provides step-by-step instructions on how to install and configure UNIX on a PC or Mac and use all the powerful tools and utilities. The book includes up-to-date examples, new features, and advanced options.

For many users, working in the Unix environment means using vi, a full-screen text editor available on most Unix systems. Even those who know vi often make use of only a small number of its features.

Learning the vi Editor is a complete guide to text editing with vi. Topics new to the sixth edition include multiscreen editing and coverage of four clones: vim, elvis, nvi, and vile and their enhancements to vi, such as multi-window editing, GUI interfaces, extended regular expressions, and enhancements for programmers. A new appendix describes vi's place in the Unix and Internet cultures. Quickly learn the basics of editing, cursor movement, and global search and replacement. Then take advantage of the more subtle power of vi. Extend your editing skills by learning to use ex, a powerful line editor, from within vi. For easy reference, the sixth edition also includes a command summary at the end of each appropriate chapter. Topics covered include: Basic editing Moving around in a hurry Beyond the basics Greater power with ex Global search and replacement Customizing vi and ex Command shortcuts Introduction to the clones' extensions Then vi, elvis, vim, and vile editors Quick reference to vi and ex commands vi and the Internet

The Linux Programming Bible is the definitive reference for beginning and veteran Linux programmers. Written by John Goerzen, a developer for the Debian GNU/Linux Distribution, this comprehensive guide leads you step by step from simple shell programs to sophisticated CGI applications. You'll find complete coverage of Linux programming, including: Techniques for C/C++, Perl, CGI, and shell programming Basic tools, such as bash, regular expression, sed, grep, Emacs, and more Communication using semaphores, pipelines, FIFOs, and TCP/IP Practical tips on CVS collaboration security, and performance optimization Linux C tools, including compilers, libraries, and debuggers Filled with savvy programming advice and clear code examples, the Linux Programming Bible is all you need to take your Linux programming skills to the next level.

Over the last few years, Linux has grown both as an operating system and a tool for personal and business use. Simultaneously becoming more user friendly and more powerful as a back-end system, Linux has achieved new plateaus: the newer filesystems have solidified, new commands and tools have appeared and become standard, and the desktop--including new desktop environments--have proved to be viable, stable, and readily accessible to even those who don't consider themselves computer gurus. Whether you're using Linux for personal software projects, for a small office or home office (often termed the SOHO environment), to provide services to a small group of colleagues, or to administer a site responsible for millions of email and web connections each day, you need quick access to information on a wide range of tools. This book covers all aspects of administering and making effective use of Linux systems. Among its topics are booting, package management, and revision control. But foremost in Linux in a Nutshell are the utilities and commands that make Linux one of the most powerful and flexible systems available. Now in its fifth edition, Linux in a Nutshell brings users up-to-date with the current state of Linux. Considered by many to be the most complete and authoritative command reference for Linux available, the book covers all substantial user, programming, administration, and networking commands for the most common Linux distributions. Comprehensive but concise, the fifth edition has been updated to cover new features of major Linux distributions. Configuration information for the rapidly growing commercial network services and community update services is one of the subjects covered for the first time. But that's just the beginning. The book covers editors, shells, and LILO and GRUB boot options. There's also coverage of Apache, Samba, Postfix, sendmail, CVS, Subversion, Emacs, vi, sed, gawk, and much more. Everything that system administrators, developers, and power users need to know

about Linux is referenced here, and they will turn to this book again and again.

-The Truth About Weekly Options -This is How I Roll -How NOT To Use Options -Does Selling Option Premium Give You an Edge? Become a successful options trader If you're looking for a new tool for your trading toolbox, trading options may be just the ticket. You can learn more about options at New Trader U and New Trader University, or by following Steve on Twitter at @sjosephburns.

Designed as one of the first true textbooks on how to use the UNIX operating system and suitable for a wide variety of UNIX-based courses, UNIX and Shell Programming goes beyond providing a reference of commands to offer a guide to basic commands and shell programming. Forouzan/Gilberg begin by introducing students to basic commands and tools of the powerful UNIX operating system. The authors then present simple scripting concepts, and cover all material required for understanding shells (e.g., Regular Expressions, grep, sed, and awk) before introducing material on the Korn, C, and Bourne shells. Throughout, in-text learning aids encourage active learning and rich visuals support concept presentation. For example, sessions use color so students can easily distinguish user input from computer output. In addition, illustrative figures help student visualize what the command is doing. Each chapter concludes with problems, including lab sessions where students work on the computer and complete sessions step-by-step. This approach has proven to be successful when teaching this material in the classroom.

Beginning with the description of operating system in general the book discusses features that made Unix the most suitable operating system of its time. An overview of file management in Unix and commonly used Unix commands is then provided. Further, it delves into the detailed description of file system and compression techniques, processes and signals, vi editor, system calls, and awk scripting. Detailed description about different types of editors and shell programming (including Bourne, C, and interactive Korn shell) has also been provided. Chapters dedicated to debugging and system development, language development, text formatting tools, interprocess communication, and system administration are covered in the later part of the book. To aid students, the book provides numerous examples and complete program scripts that will help in grasping the key concepts effectively. Web Resources: For StudentsDT Chapter-wise executable and complete shell scripts and codes given in the bookDT Mail Organizer - project that sends mail to a desired recipient on a given date.DT Inventory Management System - project that explains maintenance of inventory using MySQL database server DT Debugging exercises with solutions For FacultyDT Chapter-wise PPTsDT Answers to select review exercises given in the book

A Student's Guide to the Study, Practice, and Tools of Modern Mathematics provides an accessible introduction to the world of mathematics. It offers tips on how to study and write mathematics as well as how to use various mathematical tools, from LaTeX and Beamer to Mathematica® and Maple™ to MATLAB® and R. Along with a color insert, the text includes exercises and challenges to stimulate creativity and improve problem solving abilities. The first section of the book covers issues pertaining to studying mathematics. The authors explain how to write mathematical proofs and papers, how to perform mathematical research, and how to give mathematical presentations. The second section focuses on the use of mathematical tools for mathematical typesetting, generating data, finding patterns, and much more. The text describes how to compose a LaTeX file, give a presentation using Beamer, create mathematical diagrams, use computer algebra systems, and display ideas on a web page. The authors cover both popular commercial software programs and free and open source software, such as Linux and R. Showing how to use technology to understand mathematics, this guide supports students on their way to becoming professional mathematicians. For beginning mathematics students, it helps them study for tests and write papers. As time progresses, the book aids them in performing advanced activities, such as computer programming, typesetting, and research.

Your UNIX: The Ultimate Guide is both an outstanding pedagogical tool and an exhaustive reference. It is the ideal text for any Unix course. It can also be used for any introductory programming course that includes Unix and for advanced courses such as those on Operating Systems and System Administration. Excellent pedagogy is implemented throughout. Real-world examples make it easier for students to grasp concepts while "Going Further" sections take more advanced students beyond the basics. Over nine hundred exercises allow students to test and reinforce their understanding of material at different levels. This book also features coverage of Linux, which is well marked so that instructors can choose to either include it in their courses or omit it. Additionally, Your UNIX has the most extensive set of indices and appendices currently available in a Unix text.

Data Structures & Theory of Computation

Java Software Solutions teaches a foundation of programming techniques to foster well-designed object-oriented software. Heralded for its integration of small and large realistic examples, this worldwide best-selling text emphasizes building solid problem-solving and design skills to write high-quality programs. MyProgrammingLab, Pearson's new online homework and assessment tool, is available with this edition.

Ideal for students with little or no computer experience, this essential learning tool is filled with fundamental skill-building exercises, hands-on tutorials, and clear explanations. And, it's written by a leading UNIX and Linux curriculum developer and instructor, making it perfect for both learning -- and teaching -- the basics.

Unix Concepts And Applications Tata McGraw-Hill Education Unix: Concepts And Applications

UNIX has been used as tool to explore concepts of operating system. It allows you to experiment and play with programs to get interesting results. Chapters in the book include many aspects of basic unix commands, shell scripts and editing files with the help of commands. Demonstration of system calls, provide their easy understanding. The book is meant for beginners as well as experienced users. The goal of this book is to help the students of B.E/ B.Tech (CSE), MCA, B. Sc. (CS/IT).

The Definitive UNIX Resource--Fully Updated Get cutting-edge coverage of the newest releases of UNIX--including Solaris 10, all Linux distributions, HP-UX, AIX, and FreeBSD--from this thoroughly revised, one-stop resource for users at all experience levels. Written by UNIX experts with many years of experience starting with Bell Laboratories, UNIX: The Complete Reference, Second Edition provides step-by-step instructions on how to use UNIX and take advantage of its powerful tools and utilities. Get up-and-running on UNIX quickly, use the command shell and desktop, and access the Internet and e-mail. You'll also learn to administer systems and networks, develop applications, and secure your UNIX environment. Up-to-date chapters on UNIX desktops, Samba, Python, Java Apache, and UNIX Web development are included. Install, configure, and maintain UNIX on your PC or workstation Work with files, directories, commands, and the UNIX shell Create and modify text files using powerful text editors Use

UNIX desktops, including GNOME, CDE, and KDE, as an end user or system administrator Use and manage e-mail, TCP/IP networking, and Internet services Protect and maintain the security of your UNIX system and network Share devices, printers, and files between Windows and UNIX systems Use powerful UNIX tools, including awk, sed, and grep Develop your own shell, Python, and Perl scripts, and Java, C, and C++ programs under UNIX Set up Apache Web servers and develop browser-independent Web sites and applications

Summary Linux in Action is a task-based tutorial that will give you the skills and deep understanding you need to administer a Linux-based system. This hands-on book guides you through 12 real-world projects so you can practice as you learn. Each chapter ends with a review of best practices, new terms, and exercises. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology You can't learn anything without getting your hands dirty— including Linux. Skills like securing files, folders, and servers, safely installing patches and applications, and managing a network are required for any serious user, including developers, administrators, and DevOps professionals. With this hands-on tutorial, you'll roll up your sleeves and learn Linux project by project. About the Book Linux in Action guides you through 12 real-world projects, including automating a backup-and-restore system, setting up a private Dropbox-style file cloud, and building your own MediaWiki server. You'll try out interesting examples as you lock in core practices like virtualization, disaster recovery, security, backup, DevOps, and system troubleshooting. Each chapter ends with a review of best practices, new terms, and exercises. What's inside Setting up a safe Linux environment Managing secure remote connectivity Building a system recovery device Patching and upgrading your system About the Reader No prior Linux admin experience is required. About the Author David Clinton is a certified Linux Server Professional, seasoned instructor, and author of Manning's bestselling Learn Amazon Web Services in a Month of Lunches. Table of Contents Welcome to Linux Linux virtualization: Building a Linux working environment Remote connectivity: Safely accessing networked machines Archive management: Backing up or copying entire file systems Automated administration: Configuring automated offsite backups Emergency tools: Building a system recovery device Web servers: Building a MediaWiki server Networked file sharing: Building a Nextcloud file-sharing server Securing your web server Securing network connections: Creating a VPN or DMZ System monitoring: Working with log files Sharing data over a private network Troubleshooting system performance issues Troubleshooting network issues Troubleshooting peripheral devices DevOps tools: Deploying a scripted server environment using Ansible

A comprehensive guide to learning technologies that unlock the value in big data Cognitive Computing provides detailed guidance toward building a new class of systems that learn from experience and derive insights to unlock the value of big data. This book helps technologists understand cognitive computing's underlying technologies, from knowledge representation techniques and natural language processing algorithms to dynamic learning approaches based on accumulated evidence, rather than reprogramming. Detailed case examples from the financial, healthcare, and manufacturing walk readers step-by-step through the design and testing of cognitive systems, and expert perspectives from organizations such as Cleveland Clinic, Memorial Sloan-Kettering, as well as commercial vendors that are creating solutions. These organizations provide insight into the real-world implementation of cognitive computing systems. The IBM Watson cognitive computing platform is described in a detailed chapter because of its significance in helping to define this emerging market. In addition, the book includes implementations of emerging projects from Qualcomm, Hitachi, Google and Amazon. Today's cognitive computing solutions build on established concepts from artificial intelligence, natural language processing, ontologies, and leverage advances in big data management and analytics. They foreshadow an intelligent infrastructure that enables a new generation of customer and context-aware smart applications in all industries. Cognitive Computing is a comprehensive guide to the subject, providing both the theoretical and practical guidance technologists need. Discover how cognitive computing evolved from promise to reality Learn the elements that make up a cognitive computing system Understand the groundbreaking hardware and software technologies behind cognitive computing Learn to evaluate your own application portfolio to find the best candidates for pilot projects Leverage cognitive computing capabilities to transform the organization Cognitive systems are rightly being hailed as the new era of computing. Learn how these technologies enable emerging firms to compete with entrenched giants, and forward-thinking established firms to disrupt their industries. Professionals who currently work with big data and analytics will see how cognitive computing builds on their foundation, and creates new opportunities. Cognitive Computing provides complete guidance to this new level of human-machine interaction.

Whether you're a systems administrator or a home user, you need to understand how Linux internals work before you can really master Linux — how it boots, how networking works, how to customize the kernel, and even what hardware to buy. How Linux Works contains the kind of information normally handed down from wizards—knowledge that comes from years of experience doing things the hard way. But instead of seeking the right incantation to make your system work, you can read How Linux Works to see how to administer Linux and why each particular technique works. This book covers such need-to-know topics as: –How Linux boots, with coverage of boot loaders and init –How networking, interfaces, firewalls, and servers work –How development tools and shared libraries work –How the kernel manages devices, device drivers, and processes, and how to build a custom kernel –How the Linux printing system works, with sections on cups, filters, and Ghostscript –How shell scripts work With its combination of background theory and real-world examples, How Linux Works will show you how to run your system instead of having your system run you.

UNIX Interview Questions You'll Most Likely Be Asked is a perfect companion to stand ahead above the rest in today's competitive job market. Rather than going through comprehensive, textbook-sized reference guides, this book includes only the information required immediately for job search to build an IT career. This book puts the interviewee in the driver's seat and helps them steer their way to impress the interviewer.

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