Linux In A Nutshell A Desktop Quick Reference

Linux in a NutshellO'Reilly Media
Provides a definitive resource for those who want to support computer peripherals under the Linux operating system, explaining how to write a driver for a broad spectrum of devices, including character devices, network interfaces, and block devices. Original. (Intermediate).
Everything you need to know about Linux is in this book. Written by Stephen Figgins, Ellen Siever, Robert Love, and Arnold Robbins -- people with years of active participation in the Linux community -- Linux in a Nutshell, Sixth Edition, thoroughly covers programming tools, system and network administration tools, the shell, editors, and LILO and GRUB boot loaders. This updated edition offers a tighter focus on Linux system essentials, as well as more coverage of new capabilities such as virtualization, wireless network management, and revision control with git. It also highlights the most important options for using the vast number of Linux commands. You'll find many helpful new tips and techniques in this reference, whether you're new to this operating system or have been using it for years. Get the Linux commands for system administration and network management Use hundreds of the most important shell commands available on Linux Understand the Bash shell command-line interpreter Search and process text with regular expressions Manage your servers via virtualization with Xen and VMware Use the Emacs text editor and development environment, as well as the vi, ex, and vim text-manipulation tools Process text files with the sed editor and the gawk programming language Manage source code with Subversion and git
Here is a new text that fulfills an emerging need in both

higher and public education and stands to break new ground in addressing critical skills required of graduates. When working on their last book, It Works for Me, Creatively, the authors realized that the future belongs to the right-brained. While Daniel Pink and other visionaries may have oversimplified a bit, higher education is ripe for the creative campus, while secondary education is desperately seeking a complement to the growing assessment/teach-to-the-test mentality. You don't have to study the 2010 IBM survey of prominent American CEOs to know that the number one skill business wants is students who can think creatively. To meet the demand of new courses, programs, and curricula, the authors have developed a 200-page "textbook" suitable for secondary or higher education courses that are jumping on this bandwagon. Introduction to Applied Creative Thinking, as the title suggests, focuses not on just developing the skills necessary for creative thinking, but on having students apply those skills; after all, true creative thinking demands making something that is both novel and useful. Such a book may also be used successfully by professional developers in business and education. For this book, Hal Blythe and Charlie Sweet are joined in authorship by Rusty Carpenter. He not only directs Eastern Kentucky University's Noel Studio for Academic Creativity but has co-edited a book on that subject, Higher Education, Emerging Technologies, and Community Partnerships (2011) and the forthcoming Cases on Higher Education Spaces (2012). Introduction to Applied Creative Thinking is student-friendly. Every chapter is laced with exercises, assignments, summaries, and generative spaces. Order copies now or contact the publisher for further information.

As an open operating system, Unix can be improved on by anyone and everyone: individuals, companies, universities, and more. As a result, the very nature of Unix has been

altered over the years by numerous extensions formulated in an assortment of versions. Today, Unix encompasses everything from Sun's Solaris to Apple's Mac OS X and more varieties of Linux than you can easily name. The latest edition of this bestselling reference brings Unix into the 21st century. It's been reworked to keep current with the broader state of Unix in today's world and highlight the strengths of this operating system in all its various flavors. Detailing all Unix commands and options, the informative guide provides generous descriptions and examples that put those commands in context. Here are some of the new features you'll find in Unix in a Nutshell, Fourth Edition Solaris 10, the latest version of the SVR4-based operating system, GNU/Linux, and Mac OS X Bash shell (along with the 1988 and 1993 versions of ksh) tsch shell (instead of the original Berkeley csh) Package management programs, used for program installation on popular GNU/Linux systems, Solaris and Mac OS X GNU Emacs Version 21 Introduction to source code management systems Concurrent versions system Subversion version control system GDB debugger As Unix has progressed, certain commands that were once critical have fallen into disuse. To that end, the book has also dropped material that is no longer relevant, keeping it taut and current. If you're a Unix user or programmer, you'll recognize the value of this complete, up-to-date Unix reference. With chapter overviews, specific examples, and detailed command.

A complete reference contains all user, programming, administration, and networking commands with options, covering shell syntax for the bash, csh, and tcsh shells; sed and gawk commands; and software development and system administration commands. Original. (Advanced).

Master the techniques needed to build great, efficient embedded devices on Linux About This Book Discover how

to build and configure reliable embedded Linux devices This book has been updated to include Linux 4.9 and Yocto Project 2.2 (Morty) This comprehensive guide covers the remote update of devices in the field and power management Who This Book Is For If you are an engineer who wishes to understand and use Linux in embedded devices, this book is for you. It is also for Linux developers and system programmers who are familiar with embedded systems and want to learn and program the best in class devices. It is appropriate for students studying embedded techniques, for developers implementing embedded Linux devices, and engineers supporting existing Linux devices. What You Will Learn Evaluate the Board Support Packages offered by most manufacturers of a system on chip or embedded module Use Buildroot and the Yocto Project to create embedded Linux systems quickly and efficiently Update IoT devices in the field without compromising security Reduce the power budget of devices to make batteries last longer Interact with the hardware without having to write kernel device drivers Debug devices remotely using GDB, and see how to measure the performance of the systems using powerful tools such as perk, ftrace, and valgrind Find out how to configure Linux as a real-time operating system In Detail Embedded Linux runs many of the devices we use every day, from smart TVs to WiFi routers, test equipment to industrial controllers - all of them have Linux at their heart. Linux is a core technology in the implementation of the inter-connected world of the Internet of Things. The comprehensive guide shows you the technologies and techniques required to build Linux into embedded systems. You will begin by learning about the fundamental elements that underpin all embedded Linux projects: the toolchain, the bootloader, the kernel, and the root filesystem. You'll see how to create each of these elements from scratch, and how to automate the process

using Buildroot and the Yocto Project. Moving on, you'll find out how to implement an effective storage strategy for flash memory chips, and how to install updates to the device remotely once it is deployed. You'll also get to know the key aspects of writing code for embedded Linux, such as how to access hardware from applications, the implications of writing multi-threaded code, and techniques to manage memory in an efficient way. The final chapters show you how to debug your code, both in applications and in the Linux kernel, and how to profile the system so that you can look out for performance bottlenecks. By the end of the book, you will have a complete overview of the steps required to create a successful embedded Linux system. Style and approach This book is an easy-to-follow and pragmatic guide with in-depth analysis of the implementation of embedded devices. It follows the life cycle of a project from inception through to completion, at each stage giving both the theory that underlies the topic and practical step-by-step walkthroughs of an example implementation.

Now installed on more than 20 million Internet domains around the world, PHP is an undisputed leader in web programming languages. Database connectivity, powerful extensions, and rich object-orientation are all reasons for its popularity, but nearly everyone would agree that, above all, PHP is one of the easiest languages to learn and use for developing dynamic web applications. The ease of development and simplicity of PHP, combined with a large community and expansive repository of open source PHP libraries, make it a favorite of web designers and developers worldwide. PHP in a Nutshell is a complete reference to the core of the language as well as the most popular PHP

extensions. This book doesn't try to compete with or replace the widely available online documentation. Instead, it is designed to provide depth and breadth that can't be found elsewhere. PHP in a Nutshell provides the maximum information density on PHP, without all the fluff and extras that get in the way. The topic grouping, tips, and examples in this book complement the online guide and make this an essential reference for every PHP programmer. This book focuses on the functions commonly used by a majority of developers, so you can look up the information you need quickly. Topics include: Object-oriented PHP Networking String manipulation Working with files Database interaction XML Multimedia creation Mathematics Whether you're just getting started or have years of experience in PHP development, PHP in a Nutshell is a valuable addition to your desk library. Presents an overview of kernel configuration and building for version 2.6 of the Linux kernel. Nwely updated to include new calls and techniques introduced in Versions 2.2 and 2.4 of the Linux kernel, a definitive resource for those who want to support computer peripherals under the Linux operating system explains how to write a driver for a broad spectrum of devices, including character devices, network interfaces, and block devices. Original. (Intermediate) You may be contemplating your first Linux installation. Or you may have been using Linux for years and need to know more about adding a network printer or setting up an FTP server. Running Linux, now in its fifth edition, is the book you'll want on hand in either case. Widely recognized in the Linux community as the ultimate

getting-started and problem-solving book, it answers the questions and tackles the configuration issues that frequently plague users, but are seldom addressed in other books. This fifth edition of Running Linux is greatly expanded, reflecting the maturity of the operating system and the teeming wealth of software available for it. Hot consumer topics suchas audio and video playback applications, groupware functionality, and spam filtering are covered, along with the basics in configuration and management that always have made the book popular. Running Linux covers basic communications such as mail, web surfing, and instant messaging, but also delves into the subtleties of network configuration--including dial-up, ADSL, and cable modems--in case you need to set up your network manually. The book canmake you proficient on office suites and personal productivity applications--and also tells you what programming tools are available if you're interested in contributing to these applications. Other new topics in the fifth edition include encrypted email and filesystems, advanced shell techniques, and remote login applications. Classic discussions on booting, package management, kernel recompilation, and X configuration have also been updated. The authors of Running Linux have anticipated problem areas, selected stable and popular solutions, and provided clear instructions to ensure that you'll have a satisfying experience using Linux. The discussion is direct and complete enough to guide novice users, while still providing the additional information experienced users will need to progress in their mastery of Linux. Whether you're using Linux on a home workstation or

maintaining a network server, Running Linux will provide expert advice just when you need it.

A book of magic tricks for a younger audience.

O'Reilly's bestselling book on Linux's bash shell is at it again. Now that Linux is an established player both as a server and on the desktop Learning the bash Shell has been updated and refreshed to account for all the latest changes. Indeed, this third edition serves as the most valuable guide yet to the bash shell.As any good programmer knows, the first thing users of the Linux operating system come face to face with is the shell the UNIX term for a user interface to the system. In other words, it's what lets you communicate with the computer via the keyboard and display. Mastering the bash shell might sound fairly simple but it isn't. In truth, there are many complexities that need careful explanation, which is just what Learning the bash Shell provides.If you are new to shell programming, the book provides an excellent introduction, covering everything from the most basic to the most advanced features. And if you've been writing shell scripts for years, it offers a great way to find out what the new shell offers. Learning the bash Shell is also full of practical examples of shell commands and programs that will make everyday use of Linux that much easier. With this book, programmers will learn: How to install bash as your login shell The basics of interactive shell use, including UNIX file and directory structures, standard I/O, and background jobs Command line editing, history substitution, and key bindings How to customize your shell environment without programming The nuts and bolts of basic shell programming, flow

control structures, command-line options and typed variables Process handling, from job control to processes, coroutines and subshells Debugging techniques, such as trace and verbose modes Techniques for implementing system-wide shell customization and features related to system security Greg Gilmore fought hard against returning to Hershey, PA. He has trouble breathing in a town with so many Morrisons running around. Janine Morris, a woman as deeply entrenched in secrets and special military skills as him, only adds to his discomfort. Keeping his family safe is his number one goal. So why do Janine's haunted amber eyes keep enticing him to throw away all his cares and concerns to join forces with a woman who could bring all his enemies right down on the Morrison Family? Part 2 of the funny idioms Colorful pictures and an explanation of each idiom. Children and adults will enjoy this book!

Linux in a Nutshellcovers the core commands available on common Linux distributions. This isn't a scaled-down quick reference of common commands, but a complete reference containing all user, programming, administration, and networking commands. Contents include: Commands with complete lists of options Shell syntax for thebash,andtcshshells Pattern matching emacs,vi, andexediting commands sedandgawkcommands Perl quick-ref LILO and Loadlin options Software development commands This book also documents a wide range of GNU tools for UNIX users who have GNU versions of standard UNIX tools. You'll find all the essential commands you need to run

your system, as well as all the commands that historically have been included on UNIX systems. New material in the second edition includes the popular LILO and Loadlin programs used for dual-booting, a Perl quick-reference, and RCS/CVS source control commands. Linux in a Nutshellis a must for any Linux user; it weighs less than a stack of manual pages, but gives you everything you need for common, day-to-day use. Linux in a Nutshell covers the core commands available on common Linux distributions. This isn't a scaled-down quick reference of common commands, but a complete reference containing all user, programming, administration, and networking commands. Contents include: • Programming, system administration, and user commands with complete lists of options • LILO and Loadlin (boot) options • Shell syntax and variables for the bash, csh, and tcsh shells • Pattern matching • Emacs and vi editing commands • sed and gawk commands • Common configuration tasks for the GNOME and KDE desktops and the fvwm2 window manager • Red Hat and Debian package managers New material in the third edition includes common techniques for customizing the GNOME and KDE desktops and the fvwm2 window manager; the dpkg Debian Package Manager; an expanded discussion of the rpm Red Hat Package Manager and CVS; and many new commands. Linux in a Nutshell is a must for any Linux user; it weighs less than a stack of manual pages, but gives you everything you need for common, day-to-day use. The author teaches at Wofford College. Linda liu is a modern day pirate, she is different, sharp of

mind, a killer and on America's most wanted list. A covert task force brings three people together, their undertaking to find Linda. Linda continues to be one step a head of those who want her dead. She has cloices, fight or flight. The only book available that covers the powerful Bash shell and associated tools that are essential to any Linux programming professional. Contains an introduction to the operating system with detailed documentation on commands, utilities, programs, system configuration, and networking. As an open operating system, Unix can be improved on by anyone and everyone: individuals, companies, universities, and more. As a result, the very nature of Unix has been altered over the years by numerous extensions formulated in an assortment of versions. Today, Unix encompasses everything from Sun's Solaris to Apple's Mac OS X and more varieties of Linux than you can easily name. The latest edition of this bestselling reference brings Unix into the 21st century. It's been reworked to keep current with the broader state of Unix in today's world and highlight the strengths of this operating system in all its various flavors. Detailing all Unix commands and options, the informative guide provides generous descriptions and examples that put those commands in context. Here are some of the new features you'll find in Unix in a Nutshell, Fourth Edition: Solaris 10, the latest version of the SVR4-based operating system, GNU/Linux, and Mac OS X Bash shell (along with the 1988 and 1993 versions of ksh) tsch shell (instead of the original Berkeley csh) Package management programs, used for program installation on

popular GNU/Linux systems, Solaris and Mac OS X GNU Emacs Version 21 Introduction to source code management systems Concurrent versions system Subversion version control system GDB debugger As Unix has progressed, certain commands that were once critical have fallen into disuse. To that end, the book has also dropped material that is no longer relevant, keeping it taut and current. If you're a Unix user or programmer, you'll recognize the value of this complete, up-to-date Unix reference. With chapter overviews, specific examples, and detailed command.

Covering the LPI General Linux Exams 101 and 102, this helpful test preparation guidebook offers a detailed summary of each exam, along with hands-on exercises, extensive explanations and review, and practice exams. Original. (Intermediate/Advanced)

Allows you to track all aspects of your business or personal finances Perfect size for all of your Accounting needs Size 8.5 inches by 11 inches Columnar ruling 4 columns Each page printed on both sides 80 pages 40 lines per page Unnumbered White paper Paperback

To thoroughly understand what makes Linux tick and why it's so efficient, you need to delve deep into the heart of the operating system--into the Linux kernel itself. The kernel is Linux--in the case of the Linux operating system, it's the only bit of software to which the term "Linux" applies. The kernel handles all the requests or completed I/O operations and determines which programs will share its processing time, and in what order. Responsible for the sophisticated memory management of the whole system, the Linux kernel is the

force behind the legendary Linux efficiency. The new edition of Understanding the Linux Kernel takes you on a guided tour through the most significant data structures, many algorithms, and programming tricks used in the kernel. Probing beyond the superficial features, the authors offer valuable insights to people who want to know how things really work inside their machine. Relevant segments of code are dissected and discussed line by line. The book covers more than just the functioning of the code, it explains the theoretical underpinnings for why Linux does things the way it does. The new edition of the book has been updated to cover version 2.4 of the kernel, which is quite different from version 2.2: the virtual memory system is entirely new, support for multiprocessor systems is improved, and whole new classes of hardware devices have been added. The authors explore each new feature in detail. Other topics in the book include: Memory management including file buffering, process swapping, and Direct memory Access (DMA) The Virtual Filesystem and the Second Extended Filesystem Process creation and scheduling Signals, interrupts, and the essential interfaces to device drivers Timing Synchronization in the kernel Interprocess Communication (IPC) Program execution Understanding the Linux Kernel, Second Edition will acquaint you with all the inner workings of Linux, but is more than just an academic exercise. You'll learn what conditions bring out Linux's best performance, and you'll see how it meets the challenge of providing good system response during process scheduling, file access, and memory management in a wide variety of

environments. If knowledge is power, then this book will help you make the most of your Linux system.

Lanie and Deenie is the first book in the three part Mama Lucy Series. Follow the adventures of the two delightful bear cubs as they learn to survive and grow up in the wilderness.

LPI Linux Certification in a Nutshell,Second Edition is an invaluable resource for determining what you needto practice to pass the Linux Professional Institute exams. This bookwill helpyou determine when you're ready to take the exams, which aretechnically challenging and designed to reflect the skills thatadministrators needin real working environments. As more corporations adopt Linux as the networking backbone for theirIT systems, the demand for certified technicians will becomeeven greater. Passing the LPI exams will broaden your career optionsbecause the LPICis the most widely known and respected Linux certification program intheworld. Linux Journal recognized the LPI as the bestTraining andCertification Program. The exams were developed by the LinuxProfessional Institute,an international, volunteer-driven organization with affiliates in adozen countries. The core LPI exams cover two levels. Level 1 tests a basic knowledge ofLinux installation, configuration, and command-lineskills. Level 2 goes into much more depth regarding systemtroubleshooting andnetwork services such as email and the Web. The second edition of LPILinuxCertification in a Nutshell is a thoroughly researchedreference to these exams. The book is divided into four parts, one foreach of theLPI exams. Each part features not only a summary of the core skills

youneed, but sample exercises and test questions, along with helpful hintsto letyou focus your energies. Major topics include: GNU and Unix commands Linux installation and package management Devices, filesystems, and kernel configuration Text editing, processing, and printing The X Window System Networking fundamentals and troubleshooting Security, including intrusion detection, SSH, Kerberos, andmore DNS, DHCP, file sharing, and other networking infrastructure Email, FTP, and Web services Praise for the first edition: "Although O'Reilly's Nutshell series are intended as 'DesktopReference' manuals, I have to recommend this one as a goodall-round read; not only as a primer for LPI certification, but as anexcellent introductory text on GNU/Linux. In all, this is a valuableaddition toO'Reilly's already packed stable of Linux titles and I look forward tomore from the author."--First Monday

THE AMERICAN EDITION Satan is being outsourced. According to the Powers That Be, Hell isn't hellish enough, and Satan is given seven days to figure out how to bring back the fire and brimstone days of Hell's fury. The Devil takes on human form-a ramshackle, disease ridden body-and sets out on a road trip exploring new and novel miseries of the human condition to save his job. From L.A. to Miami, Satan, accompanied by Eustice Seeney, the only man who managed to escape Hell twice (and live to never shut up about it), some bent doctors, an average medium femme fatale with a Tarot tattoo, and an angelic escort service hit the road. Satan manages to finagle his way into one mess of life's affairs

after another culminating in an explosive finale revealing
who or what puts the lighting in our dreams, and begs
the question of who would rid the world of the Devil they
know?
Maybe you're a recent college graduate, looking for a
successful start to your career. Or an experienced
professional, feeling the need to try something new. Either
way, a whole host of opportunities await you-but if you really
hope to ace that interview and get the job you want, you'll
need the right skills to get ahead. So when you're navigating
the complex twists and turns of today's changing job market,
let I'll Get That Job! serve as your road map and guide.
Featuring advice from real HR professionals, headhunters,
and team managers, this essential job-hunting companion will
let you know exactly what you need to do to increase your
chances, from social media presence to writing a great CV.
While shedding light on the many myths and outdated "rules"
that may actually bog you down in today's job-seeking
experience, I'll Get That Job! serves as a source of motivation
and encouragement for modern job hunters. After all, with
hard work and the right mind-set, it really is possible for you
to get that job you've always wanted-and become the most
successful version of yourself along the way!
Beginning Linux Programming, Fourth Edition continues its
unique approach to teaching UNIX programming in a simple
and structured way on the Linux platform. Through the use of
detailed and realistic examples, students learn by doing, and
are able to move from being a Linux beginner to creating
custom applications in Linux. The book introduces
fundamental concepts beginning with the basics of writing
Unix programs in C, and including material on basic system
calls, file I/O, interprocess communication (for getting
programs to work together), and shell programming. Parallel

to this, the book introduces the toolkits and libraries for working with user interfaces, from simpler terminal mode applications to X and GTK+ for graphical user interfaces. Advanced topics are covered in detail such as processes, pipes, semaphores, socket programming, using MySQL, writing applications for the GNOME or the KDE desktop, writing device drivers, POSIX Threads, and kernel programming for the latest Linux Kernel.

GLUTEN-FREE GHOULS is a FUN, COLORFUL children's book that will be a DELIGHT TO ALL READERS young and old while sharing a valuable lesson on why it's important to eat healthy! The six Gluten-Free Ghoul characters Gloppy, Bogey, Teaky, Oafie, Pops, and Bonkers live in a giant treehouse and love to play baseball and golf - and they even skateboard! But their favorite thing to do is eat! Join them as they scramble through town gobbling up leftover pizza, spaghetti, and their favorite pies. The only trouble is that their not-so-healthy eating habits begin to create some frustrating and itchy symptoms. Their doctor tells them to eat a gluten-free diet. Gluten-Free Ghouls is a great rhyming book that is sure to bring about some giggles as children enjoy the silly characters while the story builds awareness of the importance of eating well. Food sensitivities like gluten or allergies such as peanuts, dairy, etc. are so prevalent these days and children need to be aware of what can happen even if they don't have celiac disease (a severe innate autoimmune disorder) or aren't allergic to certain foods themselves. It also helps children without gluten sensitivities or allergies to better understand what their friends go through who do have to follow specific diets. As for friends who have celiac disease, gluten sensitivities or food allergies, Gluten-Free Ghouls will show them that others deal with the same issues even six hungry green ghouls. GLUTEN-FREE GHOULS WOULD BE A GREAT ADDITION TO ANY BOOKSHELF IN ANY

LIBRARY, SCHOOL, OR HOME. Please visit us online at glutenfreeghouls.com. With an adult's/parent's approval, children can join the GLUTEN-FREE GHOUL'S FAN CLUB and receive a FREE FAN CLUB BOOKMARK when they e-mail paige@glutenfreeghouls.com and share what they like most about the book and who their favorite Gluten-Free Ghoul is.

Escape from the everyday stresses in your life and unwind with Chromalaxing, Kaleidoscope Series, Adult Coloring Book #1. The first book in this great new series. Forty intricately and delightfully designed images. Printed one side per page. The reverse side includes the image number so you can leave your thoughts and specific feedback for us per image. Your finished work may be suitable for framing or gift giving. Our website (http://www.chromalaxing.com) features fun art contests. Enter today and show us your masterpiece for a chance to win great prizes. Vote for your favorites too. Our designs offer a pleasing variety in image complexity suitable for beginner to expert-level. Provides unlimited hours of relaxing stress relief, as well as an enjoyable artistic outlet. Tap into the soothing and rejuvenating effects that coloring has been shown to produce. Join countless adults all over the world and rediscover the fun and relaxing hobby of coloring. Grab your pencils, pens... relax and explore your creative side today.

Relax, play and colour in the strange world which lives in the Doodle Monkey's head, whatever your age... In "The Weird Colouring Book for Kids of all ages", you will find detailed line art that is perfect for colouring in. Many intricate illustrations (some more complex than others), for you to colour and enjoy. Aliens, skateboarding dogs, weird creatures, animals, odd scenes and strange sayings are among the 50 stunning images found in this gorgeous colouring book that is perfect for children and adults alike.

Praise for DREAMING DANGEROUSLY 5 out of 5 star reviews: Once I read the first page, I couldn't put it down until I finished it. Dreaming Dangerously is a book I would recommend to anyone to read... the Author is skilled. -Dominique,Goodreads.com It really just blew me away how much I loved reading this book. Chani, Goodreads.com I loved Dreaming Dangerously. Mind reading is one of those things not all authors can write about. Dreaming Dangerously is a book I would highly recommend. - Kris Spor, Amazon customer Overview of DREAMING DANGEROUSLY:A teen mind-reader tries to keep her secret from the gossips at her high school. A popular boy who finds out. Her nightmares start to come true. She must learn to trust him before it's too late to stop the tragedy that awaits. FOR ANYONE WHO WANTS YOUNG ADULT SCIENCE FICTION/FANTASY and can't get enough of Hunger Games, and Evermore, then you must read DREAMING DANGEROUSLY as your next YA thriller!! Other works by Kathleen Suzette Harsch:DARKNESS DESCENDS, book 2 of the Children of the Psi series is out now!

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