

Dns And Bind 5th Edition

“For an engineer determined to refine and secure Internet operation or to explore alternative solutions to persistent problems, the insights provided by this book will be invaluable.” —Vint Cerf, Internet pioneer TCP/IP Illustrated, Volume 1, Second Edition, is a detailed and visual guide to today’s TCP/IP protocol suite. Fully updated for the newest innovations, it demonstrates each protocol in action through realistic examples from modern Linux, Windows, and

Mac OS environments. There's no better way to discover why TCP/IP works as it does, how it reacts to common conditions, and how to apply it in your own applications and networks. Building on the late W. Richard Stevens' classic first edition, author Kevin R. Fall adds his cutting-edge experience as a leader in TCP/IP protocol research, updating the book to fully reflect the latest protocols and best practices. He first introduces TCP/IP's core goals and architectural concepts, showing how they can robustly connect diverse networks and support

multiple services running concurrently. Next, he carefully explains Internet addressing in both IPv4 and IPv6 networks. Then, he walks through TCP/IP's structure and function from the bottom up: from link layer protocols-such as Ethernet and Wi-Fi-through network, transport, and application layers. Fall thoroughly introduces ARP, DHCP, NAT, firewalls, ICMPv4/ICMPv6, broadcasting, multicasting, UDP, DNS, and much more. He offers extensive coverage of reliable transport and TCP, including connection

management, timeout, retransmission, interactive data flow, and congestion control. Finally, he introduces the basics of security and cryptography, and illuminates the crucial modern protocols for protecting security and privacy, including EAP, IPsec, TLS, DNSSEC, and DKIM. Whatever your TCP/IP experience, this book will help you gain a deeper, more intuitive understanding of the entire protocol suite so you can build better applications and run more reliable, efficient networks.

Geared especially toward professional Linux

administrators, this book--part of an eight-book set from the Craig Hunt Linux Library--provides advanced treatment of Domain Name Service (DNS), a server that translates Internet protocol addresses into the URLs humans use.

“As an author, editor, and publisher, I never paid much attention to the competition—except in a few cases. This is one of those cases. The UNIX System Administration Handbook is one of the few books we ever measured ourselves against.”
—Tim O’Reilly, founder of O’Reilly Media

“This edition is for those whose systems live in the cloud or in virtualized data centers; those whose administrative work largely takes the form of automation and configuration source code; those who collaborate closely with developers, network engineers, compliance officers, and all the other worker bees who inhabit the modern hive.” —Paul Vixie, Internet Hall of Fame-recognized innovator and founder of ISC and Farsight Security “This book is fun and functional as a desktop reference. If you use UNIX and Linux systems, you need this book

in your short-reach library. It covers a bit of the systems' history but doesn't bloviate. It's just straight-forward information delivered in a colorful and memorable fashion."

—Jason A. Nunnelley UNIX® and Linux® System Administration Handbook, Fifth Edition, is today's definitive guide to installing, configuring, and maintaining any UNIX or Linux system, including systems that supply core Internet and cloud infrastructure. Updated for new distributions and cloud environments, this comprehensive guide covers best practices

for every facet of system administration, including storage management, network design and administration, security, web hosting, automation, configuration management, performance analysis, virtualization, DNS, security, and the management of IT service organizations. The authors—world-class, hands-on technologists—offer indispensable new coverage of cloud platforms, the DevOps philosophy, continuous deployment, containerization, monitoring, and many other essential topics. Whatever your role in

running systems and networks built on UNIX or Linux, this conversational, well-written ¿guide will improve your efficiency and help solve your knottiest problems. It used to be that two laptops, sitting side by side, couldn't communicate with each other; they may as well have been a thousand miles apart. But that was then, before the advent of Zero Configuration Networking technology. This amazing cross-platform open source technology automatically connects electronic devices on a network, allowing them to interoperate seamlessly-

without any user configuration. So now you don't have to lift a finger! Needless to say, it has completely changed the way people connect to devices and programs for printing, file sharing, and other activities. Zero Configuration Networking: The Definitive Guide walks you through this groundbreaking network technology, with a complete description of the protocols and ways to implement network-aware applications and devices. Written by two Zero Configuration Networking experts, including one of Apple's own computer

scientists, the book covers more than just file sharing and printing. Zero Configuration Networking also enables activities such as music and photo sharing and automatic buddy discovery on Instant Messaging applications. In fact, Zero Configuration Networking can be used for virtually any device that can be controlled by a computer. And this handy guide has the inside scoop on all of its capabilities-and how you can easily apply them in your own environment. For the technically advanced, Zero Configuration Networking: The Definitive

Guide examines the three core technologies that make up Zero Configuration Networking: Link-Local Addressing, Multicast DNS, and DNS Service Discovery. It also reviews a series of APIs, including C-API, Java API, CFNetServices, and Cocoa's NSNetServices. Whether you want to understand how iTunes works, or you want to network a series of laptops and other devices at your office for maximum efficiency, you'll find all the answers in this authoritative guide.

DNS Security

POP3/IMAP Servers for Enterprises and ISPs

Squid: The Definitive Guide

Packet Guide to Voice Over IP

Pro DNS and BIND 10

The Future of Telephony Is Now

The first comprehensive guide to discovering and preventing attacks on the Android OS As the Android operating system continues to increase its share of the smartphone market, smartphone hacking remains a growing threat. Written by experts who rank among the world's foremost Android security researchers, this book presents vulnerability discovery, analysis, and

exploitation tools for the good guys. Following a detailed explanation of how the Android OS works and its overall security architecture, the authors examine how vulnerabilities can be discovered and exploits developed for various system components, preparing you to defend against them. If you are a mobile device administrator, security researcher, Android app developer, or consultant responsible for evaluating Android security, you will find this guide is essential to your toolbox. A crack team of leading Android security researchers explain Android security risks, security design

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and architecture, rooting, fuzz testing, and vulnerability analysis Covers Android application building blocks and security as well as debugging and auditing Android apps Prepares mobile device administrators, security researchers, Android app developers, and security consultants to defend Android systems against attack Android Hacker's Handbook is the first comprehensive resource for IT professionals charged with smartphone security.

The DHCP Handbook, Second Edition is a complete reference for understanding DHCP, deploying and managing DHCP services, and

debugging problems with DHCP clients and servers. Chapters devoted to failover, authentication, Windows 2000, DHCPv6, and DHCP/DNS interaction reflect the recent updates to the standard and addresses issues that are most pertinent to network planners and administrators. Throughout the book, the authors are careful to balance conceptual discussions of DHCP with detailed implementation examples and practical advice. Postfix is a Mail Transfer Agent (MTA): software that mail servers use to route email. Postfix is highly respected by experts for its secure design

and tremendous reliability. And new users like it because it's so simple to configure. In fact, Postfix has been adopted as the default MTA on Mac OS X. It is also compatible with sendmail, so that existing scripts and programs continue to work seamlessly after it is installed. Postfix was written by well-known security expert Wietse Venema, who reviewed this book intensively during its entire development. Author Kyle Dent covers a wide range of Postfix tasks, from virtual hosting to controls for unsolicited commercial email. While basic configuration of Postfix is easy, every site has unique needs that call for a

certain amount of study. This book, with careful background explanations and generous examples, eases readers from the basic configuration to the full power of Postfix. It discusses the Postfix interfaces to various tools that round out a fully scalable and highly secure email system. These tools include POP, IMAP, LDAP, MySQL, Simple Authentication and Security Layer (SASL), and Transport Layer Security (TLS, an upgrade of SSL). A reference section for Postfix configuration parameters and an installation guide are included. Topics include: Basic installation and configuration DNS

configuration for email Working with POP/IMAP servers Hosting multiple domains (virtual hosting) Mailing lists Handling unsolicited email (spam blocking) Security through SASL and TLS From compiling and installing Postfix to troubleshooting, Postfix: The Definitive Guide offers system administrators and anyone who deals with Postfix an all-in-one, comprehensive tutorial and reference to this MTA.

Objectives The purpose of Top-Down Network Design, Third Edition, is to help you design networks that meet a customer's business and technical goals. Whether your customer is

another department within your own company or an external client, this book provides you with tested processes and tools to help you understand traffic flow, protocol behavior, and internetworking technologies. After completing this book, you will be equipped to design enterprise networks that meet a customer's requirements for functionality, capacity, performance, availability, scalability, affordability, security, and manageability.

Audience This book is for you if you are an internetworking professional responsible for designing and maintaining medium- to large-

sized enterprise networks. If you are a network engineer, architect, or technician who has a working knowledge of network protocols and technologies, this book will provide you with practical advice on applying your knowledge to internetwork design. This book also includes useful information for consultants, systems engineers, and sales engineers who design corporate networks for clients. In the fast-paced presales environment of many systems engineers, it often is difficult to slow down and insist on a top-down, structured systems analysis approach. Wherever possible, this book

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includes shortcuts and assumptions that can be made to speed up the network design process. Finally, this book is useful for undergraduate and graduate students in computer science and information technology disciplines. Students who have taken one or two courses in networking theory will find Top-Down Network Design, Third Edition, an approachable introduction to the engineering and business issues related to developing real-world networks that solve typical business problems. Changes for the Third Edition Networks have changed in many ways since the second edition was published. Many legacy

technologies have disappeared and are no longer covered in the book. In addition, modern networks have become multifaceted, providing support for numerous bandwidth-hungry applications and a variety of devices, ranging from smart phones to tablet PCs to high-end servers. Modern users expect the network to be available all the time, from any device, and to let them securely collaborate with coworkers, friends, and family. Networks today support voice, video, high-definition TV, desktop sharing, virtual meetings, online training, virtual reality, and applications that we can't even imagine that

brilliant college students are busily creating in their dorm rooms. As applications rapidly change and put more demand on networks, the need to teach a systematic approach to network design is even more important than ever. With that need in mind, the third edition has been retooled to make it an ideal textbook for college students. The third edition features review questions and design scenarios at the end of each chapter to help students learn top-down network design. To address new demands on modern networks, the third edition of Top-Down Network Design also has updated material on the following topics: 2

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Network redundancy & Modularity in network designs & The Cisco SAFE security reference architecture & The Rapid Spanning Tree Protocol (RSTP) & Internet Protocol version 6 (IPv6) & Ethernet scalability options, including 10-Gbps Ethernet and Metro Ethernet & Network design and management tools

Brain, Mind, Experience, and School: Expanded Edition

Designing an Address Plan for the Future In a Nutshell

Top-Down Network Design

Choice and Deployment, and Optional SQL/LDAP

Back-Ends

A Practical Guide to Ubuntu Linux

More often than not, the words "sendmail configuration" spread in the hearts of sendmail and system administrators--and not without reason. sendmail configuration languages are as complex as any other programming languages, but used much more infrequently--only when sendmail is installed or configured. The average system administrator doesn't get enough practice to truly master this inscrutable technology. Fortunately, the help. The sendmail Cookbook provides step-by-step solutions for the administrator who needs to solve configuration problems fast. Say you need to configure sendmail to relay

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mail for your clients without creating an open relay that will be abused by spammers. A recipe in the Cookbook shows you how to do just that. No more wading through pages of dense documentation and tutorials and creating your own custom solution--just go directly to the recipe that addresses your specific problem. Each recipe in the sendmail Cookbook outlines a configuration problem, presents the configuration code that solves that problem, and then explains the code in detail. The discussion of the code is critical because it provides the insight you need to tweak the code for your circumstances. The sendmail Cookbook begins with an overview of the configuration languages, offering a quick how-to for downloading and compiling the sendmail distribution.

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Next, you'll find a baseline configuration recipe upon which many of the subsequent configurations, or recipes, in the book are based. Recipes in the following chapters stand on their own and offer solutions for properly configuring important sendmail functions such as: Delivering and forwarding mail Relaying Masquerading Routing mail Controlling spam Strong authentication Securing the mail transport Managing the queue Securing sendmail sendmail Cookbook is more than just a new approach to discussing sendmail configuration. The book also provides lots of new material that doesn't get much coverage elsewhere--STARTTLS and AUTH are given entire chapters, and LDAP is covered in recipes throughout the book. But most of all, this book is about saving

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time--something that most system administrators have in supply. Pick up the sendmail Cookbook and say good-bye to sendmail dread.

The Most Complete, Easy-to-Follow Guide to Ubuntu Linux
The #1 Ubuntu server resource, fully updated for Ubuntu 10 (Lucid Lynx)-the Long Term Support (LTS) release many companies will rely on for years! Updated JumpStarts help you set up Samba, Apache, Mail, FTP, NIS, OpenSSH, DNS, and other complex servers in minutes Hundreds of up-to-d examples, plus comprehensive indexes that deliver instant access to answers you can trust Mark Sobell's A Practical Guide to Ubuntu Linux[®], Third Edition, is the most thorough and up-to-date reference to installing, configuring, and

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working with Ubuntu, and also offers comprehensive coverage of servers--critical for anybody interested in unleashing the full power of Ubuntu. This edition has been fully updated for Ubuntu 10.04 (Lucid Lynx), a milestone Long Term Support (LTS) release, which Canonical will support on desktops until 2013 and on servers until 2015. Sobell walks you through every essential feature and technique, from installing Ubuntu to working with GNOME, Samba, exim4, Apache, DNS, NIS, LDAP, g ufw, firestarter, iptables, even Perl scripting. His exceptionally clear explanations demystify everything from networking to security. You'll find full chapters on running Ubuntu from the command line and desktop (GUI), administrating systems, setting up networks and Internet

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servers, and much more. Fully updated JumpStart sections help you get complex servers running--often in as little as minutes. Sobell draws on his immense Linux knowledge to explain both the "hows" and the "whys" of Ubuntu. He's taught hundreds of thousands of readers and never forgets what it's like to be new to Linux. Whether you're a user, administrator, or programmer, you'll find everything you need here--now, and for many years to come. The world's most practical Ubuntu Linux book is now even more useful! This book delivers Hundreds of easy-to-use Ubuntu examples Important networking coverage, including DNS, NFS, and Cacti Coverage of crucial Ubuntu topics such as sudo and the Upstart init daemon More detailed, usable coverage of

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Internet server configuration, including Apache (Web) and exim4 (email) servers State-of-the-art security techniques, including up-to-date firewall setup techniques using gufw and iptables, and a full chapter on OpenSSH A complete introduction to Perl scripting for automated administration Deeper coverage of essential admin tasks-from managing users to CUPS printing, configuring LANs to building a kernel Complete instructions on keeping Ubuntu systems up-to-date using aptitude, Synaptic, and the Software Sources window And much more...including a 500+ term glossary Includes DVD! Get the full version of Lucid Lynx, the latest Ubuntu LTS release!

A guide to developing network programs covers networking

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fundamentals as well as TCP and UDP sockets, multicasting protocol, content handlers, servlets, I/O, parsing, Java Mail API, and Java Secure Sockets Extension.

First released in the Spring of 1999, *How People Learn* has been expanded to show how the theories and insights from the original book can translate into actions and practice, now making a real connection between classroom activities and learning behavior. This edition includes far-reaching suggestions for research that could increase the impact that classroom teaching has on actual learning. Like the original edition, this book offers exciting new research about the mind and the brain that provides answers to a number of compelling questions. When do infants begin to learn? How do experts

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learn and how is this different from non-experts? What can teachers and schools do-with curricula, classroom settings and teaching methods--to help children learn most effectively? New evidence from many branches of science has significantly added to our understanding of what it means to know, from neural processes that occur during learning to the influence of culture on what people see and absorb. *How People Learn* examines these findings and their implications for what we teach, how we teach it, and how we assess what our children learn. The book uses exemplary teaching to illustrate how approaches based on what we now know result in in-depth learning. This new knowledge calls into question concepts and practices firmly entrenched in our current education system.

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Topics include: How learning actually changes the physical structure of the brain. How existing knowledge affects what people notice and how they learn. What the thought processes of experts tell us about how to teach. The amazing learning potential of infants. The relationship of classroom learning and everyday settings of community and workplace. Learning needs and opportunities for teachers. A realistic look at the role of technology in education.

Learning Agile

A Systems Approach

Linux DNS Server Administration

IPv6 Address Planning

Dns & Bind (covers Bind 9)

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Defending the Domain Name System

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,

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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

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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

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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.

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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 DNS & BIND Cookbook presents solutions to the many problems faced by

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network administrators responsible for a name server. Following O'Reilly's popular problem-and-solution cookbook format, this title is an indispensable companion to DNS & BIND, 4th Edition, the definitive guide to the critical task of name server administration. The cookbook contains dozens of code recipes showing solutions to everyday problems, ranging from simple questions, like, "How do I get BIND?" to more advanced topics like providing

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name service for IPv6 addresses. It's full of BIND configuration files that you can adapt to your sites requirements. With the wide range of recipes in this book, you'll be able to

- Check whether a name is registered
- Register your domain name and name servers
- Create zone files for your domains
- Protect your name server from abuse
- Set up back-up mail servers and virtual email addresses
- Delegate subdomains and check delegation
- Use

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incremental transfer Secure zone transfers Restrict which queries a server will answer Upgrade to BIND 9 from earlier version Perform logging and troubleshooting Use IPv6 and much more. These recipes encompass all the day-to-day tasks you're faced with when managing a name server, and many other tasks you'll face as your site grows. Written by Cricket Liu, a noted authority on DNS, and the author of the bestselling DNS & BIND and DNS on

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Windows 2000, the DNS & BIND Cookbook belongs in every system or network administrator's library.

What an amazing world we live in!

Almost anything you can imagine can be researched, compared, admired, studied, and in many cases, bought, with the click of a mouse. The Internet has changed our lives, putting a world of opportunity before us. Unfortunately, it has also put a world of opportunity into the hands of those whose motives

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are less than honorable. A firewall, a piece of software or hardware that erects a barrier between your computer and those whomight like to invade it, is one solution. If you've been using the Internet for any length of time, you've probably received some unsavory and unsolicited e-mail. If you run a business, you may be worried about the security of your data and your customers' privacy. At home, you want to protect your personal information from

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identity thieves and other shady characters. *Firewalls For Dummies*® will give you the lowdown on firewalls, then guide you through choosing, installing, and configuring one for your personal or business network. *Firewalls For Dummies*® helps you understand what firewalls are, how they operate on different types of networks, what they can and can't do, and how to pick a good one (it's easier than identifying that perfect melon in the supermarket.)

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You'll find out about Developing security policies Establishing rules for simple protocols Detecting and responding to system intrusions Setting up firewalls for SOHO or personal use Creating demilitarized zones Using Windows or Linux as a firewall Configuring ZoneAlarm, BlackICE, and Norton personalfirewalls Installing and using ISA server and FireWall-1 With the handy tips and hints this book provides, you'll find that firewalls are

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nothing to fear - that is, unless you're a cyber-crook! You'll soon be able to keep your data safer, protect your family's privacy, and probably sleep better, too.

"Examines many of the best DNS servers available. The book covers each server's benefits and disadvantages, as well as how to configure and deploy it, and integrate it into your network infrastructure. It describes the different scenarios where each server

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is particularly useful, so you can choose the most suitable server for your site. The book also explains how DNS data can be stored in LDAP directories and SQL databases. This lets you build robust DNS systems that can be automated, and can be managed by multiple, distributed, system managers. There is an extensive tutorial on using LDAP with DNS. Other important topics covered include: performance, security issues, integration with DHCP, DNSSEC,

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internationalization, and specialized DNS servers designed for some unusual purposes." --P.4 cover.

DNS and BIND

Postfix

sendmail Cookbook

UNIX and Linux System Administration
Handbook

TOP-DOWN NET DES _c3

Alternative DNS Servers

DNS Security: Defending the Domain Name System
provides tactics on how to protect a Domain Name

System (DNS) framework by exploring common DNS vulnerabilities, studying different attack vectors, and providing necessary information for securing DNS infrastructure. The book is a timely reference as DNS is an integral part of the Internet that is involved in almost every attack against a network. The book focuses entirely on the security aspects of DNS, covering common attacks against DNS servers and the protocol itself, as well as ways to use DNS to turn the tables on the attackers and stop an incident before it even starts. Presents a multi-platform approach, covering Linux and Windows DNS security tips

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Demonstrates how to implement DNS Security tools, including numerous screen shots and configuration examples Provides a timely reference on DNS security, an integral part of the Internet Includes information of interest to those working in DNS: Securing Microsoft DNS and BIND servers, understanding buffer overflows and cache poisoning, DDoS Attacks, pen-testing DNS infrastructure, DNS firewalls, Response Policy Zones, and DNS Outsourcing, amongst other topics

A guide to the Internet's Domain Name System and the Berkeley Internet Name Domain software covers

domain and server setup, troubleshooting and configuration, load sharing, subdivision, and server security.

Covers topics including HTTP methods and status codes, optimizing proxies, designing web crawlers, content negotiation, and load-balancing strategies.

Learning Agile is a comprehensive guide to the most popular agile methods, written in a light and engaging style that makes it easy for you to learn. Agile has revolutionized the way teams approach software development, but with dozens of agile methodologies to choose from, the decision to "go agile" can be tricky.

This practical book helps you sort it out, first by grounding you in agile's underlying principles, then by describing four specific—and well-used—agile methods: Scrum, extreme programming (XP), Lean, and Kanban. Each method focuses on a different area of development, but they all aim to change your team's mindset—from individuals who simply follow a plan to a cohesive group that makes decisions together. Whether you're considering agile for the first time, or trying it again, you'll learn how to choose a method that best fits your team and your company. Understand the purpose behind agile's core values

and principles Learn Scrum's emphasis on project management, self-organization, and collective commitment Focus on software design and architecture with XP practices such as test-first and pair programming Use Lean thinking to empower your team, eliminate waste, and deliver software fast Learn how Kanban's practices help you deliver great software by managing flow Adopt agile practices and principles with an agile coach

The Definitive Guide

Managing NFS and NIS

The DHCP Handbook

Solutions & Examples for HTML5 Developers

Dovecot

Head First Design Patterns

Provides information on the features, functions, and implementation of Active Directory, covering such topics as management tools, searching the AD database, and the Kerberos security protocol.

This complete guide to setting up and running a TCP/IP network is essential for network administrators, and invaluable for users of home systems that access the Internet. The book starts with the fundamentals -- what protocols do and how they work, how addresses and routing are used to move data

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through the network, how to set up your network connection -- and then covers, in detail, everything you need to know to exchange information via the Internet. Included are discussions on advanced routing protocols (RIPv2, OSPF, and BGP) and the gated software package that implements them, a tutorial on configuring important network services -- including DNS, Apache, sendmail, Samba, PPP, and DHCP -- as well as expanded chapters on troubleshooting and security. TCP/IP Network Administration is also a command and syntax reference for important packages such as gated, pppd, named, dhcpd, and sendmail. With coverage that includes Linux, Solaris, BSD, and System V TCP/IP implementations, the third edition contains: Overview of TCP/IP Delivering the data

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Network services Getting startedM Basic configuration
Configuring the interface Configuring routing Configuring
DNS Configuring network servers Configuring sendmail
Configuring Apache Network security Troubleshooting
Appendices include dip, pppd, and chat reference, a gated
reference, a dhcpd reference, and a sendmail reference This
new edition includes ways of configuring Samba to provide
file and print sharing on networks that integrate Unix and
Windows, and a new chapter is dedicated to the important task
of configuring the Apache web server. Coverage of network
security now includes details on OpenSSH, stunnel, gpg,
iptables, and the access control mechanism in xinetd. Plus, the
book offers updated information about DNS, including details

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on BIND 8 and BIND 9, the role of classless IP addressing and network prefixes, and the changing role of registrars. Without a doubt, TCP/IP Network Administration, 3rd Edition is a must-have for all network administrators and anyone who deals with a network that transmits data over the Internet.

Appropriate for a first course on computer networking, this textbook describes the architecture and function of the application, transport, network, and link layers of the internet protocol stack, then examines audio and video networking applications, the underpinnings of encryption and network security, and the key issues of network management. Th Demonstrates two fundamental components of distributed computing in a UNIX environment--the Network File System

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and the Network Information System--explaining how to plan, set up, protect, and debug UNIX networks.

In Search of Stupidity

Over 20 Years of High-Tech Marketing Disasters

Active Directory

TCP/IP Illustrated, Volume 1

Administering, Securing & Spam-Fighting

Linux Administration Handbook

Go under the hood of an operating Voice over IP network, and build your knowledge of the protocols and architectures used by this Internet telephony technology. With this concise guide, you'll learn about services involved in VoIP and get a first-hand

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view of network data packets from the time the phones boot through calls and subsequent connection teardown. With packet captures available on the companion website, this book is ideal whether you're an instructor, student, or professional looking to boost your skill set. Each chapter includes a set of review questions, as well as practical, hands-on lab exercises. Learn the requirements for deploying packetized voice and video Understand traditional telephony concepts, including local loop, tip and ring, and T carriers Explore the Session Initiation Protocol (SIP), VoIP's primary signaling protocol Learn the operations and fields for VoIP's standardized RTP and RTCP transport protocols Delve into voice and video

codecs for converting analog data to digital format for transmission Get familiar with Communications Systems H.323, SIP's widely used predecessor Examine the Skinny Client Control Protocol used in Cisco VoIP phones in networks around the world Pro DNS and BIND 10 guides you through the challenging array of features surrounding DNS with a special focus on the latest release of BIND, the world's most popular DNS implementation. This book unravels the mysteries of DNS, offering insight into origins, evolution, and key concepts like domain names and zone files. This book focuses on running DNS systems based on BIND 10, the first stable release that includes support for the latest DNSSEC

standards. Whether you administer a DNS system, are thinking about running one, or you simply want to understand the DNS system, then this book for you. Pro DNS and BIND 10 starts with simple concepts, then moves on to full security-aware DNSSEC configurations. Various features, parameters, and Resource Records are described and illustrated with examples. The book contains a complete reference to zone files, resource records, and BIND's configuration file parameters. You can treat the book as a simple paint-by-numbers guide to everything from a simple caching DNS to the most complex secure DNS (DNSSEC) implementation. Background information is included for when you need to know

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what to do and why you have to do it, and so that you can modify processes to meet your unique needs. With over 30,000 copies sold in previous editions, this fourth edition of TCP/IP Clearly Explained stands out more than ever. You still get a practical, thorough exploration of TCP/IP networking, presented in plain language, that will benefit newcomers and veterans alike. The coverage has been updated, however, to reflect new and continuing technological changes, including the Stream Control Transmission Protocol (SCTP), the Blocks architecture for application protocols, and the Transport Layer Security Protocol (TLS). The improvements go far beyond the updated material: they also include an all-new approach that

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examines the TCP/IP protocol stack from the top down, beginning with the applications you may already understand and only then moving deeper to the protocols that make these applications possible. You also get a helpful overview of the "life" of an Internet packet, covering all its movements from inception to final disposition. If you're looking for nothing more than information on the protocols comprising TCP/IP networking, there are plenty of books to choose from. If you want to understand TCP/IP networking - why the protocols do what they do, how they allow applications to be extended, and how changes in the environment necessitate changes to the protocols—there's only the one you hold in your

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hands. Explains clearly and holistically, but without oversimplification—the core protocols that make the global Internet possible Fully updated to cover emerging technologies that are critical to the present and future of the Internet Takes a top-down approach that begins with the familiar application layer, then proceeds to the protocols underlying it, devoting attention to each layer's specifics Divided into organized, easy-to-follow sections on the concepts and fundamentals of networking, Internet applications, transport protocols, the Internet layer and infrastructure, and practical internetworking If you're ready to join the move to IPv6, this comprehensive guide gets you started by showing you

how to create an effective IPv6 address plan. In three example-driven sections—preparation, design, and maintenance—you'll learn principles and best practices for designing, deploying, and maintaining an address plan far beyond what's possible with IPv4 networks. During the course of the book, you'll walk through the process of building a sample address plan for a fictional company. Enterprise IT network architects, engineers, and administrators will see firsthand how IPv6 provides opportunities for creating an operationally efficient plan that's scalable, flexible, extensible, manageable, and durable. Explore IPv6 addressing basics, including representation, structure, and types Manage risks

and costs by using a three-phase approach for deploying IPv6 Dig into IPv6 subnetting methods and learn how they differ from IPv4 Determine the appropriate size and type of the IPv6 allocation you require Apply current network management tools to IPv6 Use IPv6 renumbering methods that enable greater network scale and easier integration Implement policies and practices to keep IPv6 addresses reachable

Computer Networks

TCP/IP Network Administration

The Protocols

TCP/IP Clearly Explained

HTTP

Android Hacker's Handbook

Computer Networks: A Systems Approach, Fifth Edition, explores the key principles of computer networking, with examples drawn from the real world of network and protocol design. Using the Internet as the primary example, this best-selling and classic textbook explains various protocols and networking technologies. The systems-oriented approach encourages students to think about how individual network components fit into a larger, complex system of interactions. This book has a completely updated content with expanded coverage of the topics of utmost importance to networking professionals and

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students, including P2P, wireless, network security, and network applications such as e-mail and the Web, IP telephony and video streaming, and peer-to-peer file sharing. There is now increased focus on application layer issues where innovative and exciting research and design is currently the center of attention. Other topics include network design and architecture; the ways users can connect to a network; the concepts of switching, routing, and internetworking; end-to-end protocols; congestion control and resource allocation; and end-to-end data. Each chapter includes a problem statement, which introduces issues to be examined; shaded sidebars that elaborate on a topic or introduce

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a related advanced topic; What's Next? discussions that deal with emerging issues in research, the commercial world, or society; and exercises. This book is written for graduate or upper-division undergraduate classes in computer networking. It will also be useful for industry professionals retraining for network-related assignments, as well as for network practitioners seeking to understand the workings of network protocols and the big picture of networking. Completely updated content with expanded coverage of the topics of utmost importance to networking professionals and students, including P2P, wireless, security, and applications Increased focus on

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application layer issues where innovative and exciting research and design is currently the center of attention Free downloadable network simulation software and lab experiments manual available This text covers the 9.1.0 and 8.2.3 versions of BIND as well as the older 4.9 version. There's also more extensive coverage of NOTIFY, IPv6 forward and reverse mapping, transaction signatures, and the DNS Security Extensions.

Squid is the most popular Web caching software in use today, and it works on a variety of platforms including Linux, FreeBSD, and Windows. Squid improves network performance by reducing the amount of

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bandwidth used when surfing the Web. It makes web pages load faster and can even reduce the load on your web server. By caching and reusing popular web content, Squid allows you to get by with smaller network connections. It also protects the host on your internal network by acting as a firewall and proxying your internal web traffic. You can use Squid to collect statistics about the traffic on your network, prevent users from visiting inappropriate web sites at work or school, ensure that only authorized users can surf the Internet, and enhance your privacy by filtering sensitive information from web requests. Companies, schools, libraries, and organizations that use web-

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caching proxies can look forward to a multitude of benefits. Written by Duane Wessels, the creator of Squid, Squid: The Definitive Guide will help you configure and tune Squid for your particular situation. Newcomers to Squid will learn how to download, compile, and install code. Seasoned users of Squid will be interested in the later chapters, which tackle advanced topics such as high-performance storage options, rewriting requests, HTTP server acceleration, monitoring, debugging, and troubleshooting Squid. Topics covered include: Compiling and installing Squid Running Squid Using Squid's sophisticated access controls Tuning disk storage for optimal

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performance Configuring your operating system for HTTP interception Forwarding Requests to other web caches Using redirectors to rewrite user requests Monitoring Squid with the cache manager and SNMP Using Squid to accelerate and protect HTTP servers Managing bandwidth consumption with Delay Pools Working with Microsoft's network directory service for the first time can be a headache for system and network administrators, IT professionals, technical project managers, and programmers alike. This authoritative guide is meant to relieve that pain. Instead of going through the graphical user interface screen by screen, O'Reilly's bestselling Active

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Directory tells you how to design, manage, and maintain a small, medium, or enterprise Active Directory infrastructure. Fully updated to cover Active Directory for Windows Server 2003 SP1 and R2, this third edition is full of important updates and corrections. It's perfect for all Active Directory administrators, whether you manage a single server or a global multinational with thousands of servers. Active Directory, 3rd Edition is divided into three parts. Part I introduces much of how Active Directory works, giving you a thorough grounding in its concepts. Some of the topics include Active Directory replication, the schema, application partitions, group

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policies, and interaction with DNS. Part II details the issues around properly designing the directory infrastructure. Topics include designing the namespace, creating a site topology, designing group policies for locking down client settings, auditing, permissions, backup and recovery, and a look at Microsoft's future direction with Directory Services. Part III covers how to create and manipulate users, groups, printers, and other objects that you may need in your everyday management of Active Directory. If you want a book that lays bare the design and management of an enterprise or departmental Active Directory, then look no further. Active Directory, 3rd

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Edition will quickly earn its place among the books you don't want to be without.

Linux in a Nutshell

HTML5 Cookbook

Firewalls For Dummies

Designing, Deploying, and Running Active Directory

Asterisk: The Definitive Guide

With scores of practical recipes you can use in your projects right away, this cookbook helps you gain hands-on experience with HTML5 ' s versatile collection of elements. You get clear solutions for handling issues with everything from markup semantics, web forms, and audio and video elements to

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related technologies such as geolocation and rich JavaScript APIs. Each informative recipe includes sample code and a detailed discussion on why and how the solution works. Perfect for intermediate to advanced web and mobile web developers, this handy book lets you choose the HTML5 features that work for you—and helps you experiment with the rest. Test browsers for HTML5 support, and use techniques for applying unsupported features Discover how HTML5 makes web form implementation much simpler Overcome challenges for implementing native audio and video elements Learn techniques for using HTML5 with ARIA accessibility guidelines Explore examples

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that cover using geolocation data in your applications
Draw images, use transparencies, add gradients and patterns, and more with Canvas Bring HTML5 features to life with a variety of advanced JavaScript APIs

After 10 years of development the Dovecot IMAP server is now a benchmark in terms of stability, range of features and performance. Whether you need a single IMAP server for small user groups, a cluster system with high availability for enterprises with several thousand employees, or a complex infrastructure with directors, caching proxies and active/active setups for Internet Service Providers, Dovecot offers concepts and solutions for all kinds of requirements without

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becoming too complex. Based on extensive experience of many Dovecot projects, this book supports administrators during the conceptual design phase, helps avoid errors and strategically wrong decisions, and shows how to implement different configurations by means of concrete and reproducible instructions. Describes influential business philosophies and marketing ideas from the past twenty years and examines why they did not work.

Using research in neurobiology, cognitive science and learning theory, this text loads patterns into your brain in a way that lets you put them to work immediately, makes you better at solving software design problems,

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and improves your ability to speak the language of patterns with others on your team.

Understanding Scrum, XP, Lean, and Kanban

DNS & BIND Cookbook

How People Learn

Computer Networking

Java Network Programming

Zero Configuration Networking

“As this book shows, Linux systems are just as functional, secure, and reliable as their proprietary counterparts. Thanks to the ongoing efforts of thousands of Linux developers, Linux is more ready than ever for deployment at the

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frontlines of the real world. The authors of this book know that terrain well, and I am happy to leave you in their most capable hands.” –Linus Torvalds “The most successful sysadmin book of all time–because it works!” –Rik Farrow, editor of ;login: “This book clearly explains current technology with the perspective of decades of experience in large-scale system administration. Unique and highly recommended.” –Jonathan Corbet, cofounder, LWN.net “Nemeth et al. is the overall winner for Linux administration: it’s intelligent, full of insights, and looks at the implementation of concepts.” –Peter Salus,

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editorial director, Matrix.net Since 2001, Linux Administration Handbook has been the definitive resource for every Linux® system administrator who must efficiently solve technical problems and maximize the reliability and performance of a production environment. Now, the authors have systematically updated this classic guide to address today's most important Linux distributions and most powerful new administrative tools. The authors spell out detailed best practices for every facet of system administration, including storage management, network design and administration, web hosting,

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software configuration management, performance analysis, Windows interoperability, and much more. Sysadmins will especially appreciate the thorough and up-to-date discussions of such difficult topics such as DNS, LDAP, security, and the management of IT service organizations. Linux® Administration Handbook, Second Edition, reflects the current versions of these leading distributions: Red Hat® Enterprise Linux® Fedora™ Core SUSE® Linux Enterprise Debian® GNU/Linux Ubuntu® Linux Sharing their war stories and hard-won insights, the authors capture the behavior of Linux systems in the real

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world, not just in ideal environments. They explain complex tasks in detail and illustrate these tasks with examples drawn from their extensive hands-on experience.

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Design a complete Voice over IP (VoIP) or traditional PBX system with Asterisk, even if you have only basic telecommunications knowledge. This bestselling guide makes it easy, with a detailed roadmap that shows you how to install and configure this open source software, whether you're upgrading your existing phone system or starting from scratch. Ideal for Linux

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administrators, developers, and power users, this updated edition shows you how to write a basic dialplan step-by-step, and brings you up to speed on the features in Asterisk 11, the latest long-term support release from Digium. You'll quickly gain working knowledge to build a simple yet inclusive system. Integrate Asterisk with analog, VoIP, and digital telephony systems Build an interactive dialplan, using best practices for more advanced features Delve into voicemail options, such as storing messages in a database Connect to external services including Google Talk, XMPP, and calendars Incorporate Asterisk features and

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functions into a relational database to facilitate information sharing Learn how to use Asterisk's security, call routing, and faxing features Monitor and control your system with the Asterisk Manager Interface (AMI) Plan for expansion by learning tools for building distributed systems Help for Unix System Administrators Study Companion