

## Ubuntu Server

The best resource on the very latest for Ubuntu users! Ubuntu is a free, open-source, Linux-based operating system that can run on desktops, laptops, netbooks, and servers. If you've joined the millions of users around the world who prefer open-source OS-and Ubuntu in particular-this book is perfect for you. It brings you the very latest and expert techniques. Coverage includes: The Ubuntu Linux Project Installing Ubuntu Installing Ubuntu on Special-Purpose Systems Basic Linux System Concepts Using the GNOME Desktop Using the Compiz Window Manager Managing E-Mail and Personal Information with Evolution Surfing the Web with Firefox Migrating from Windows Sys Command-Line Tools Working with Text Files Creating and Publishing Documents Other Office Software: Spreadsheets and Presentations Working with Graphics Working with Multimedia Consumer Electronics and Ubuntu Adding, Removing, and Updating Software Adding Hardware and Attaching Peripherals Network Configuration and Security Using Virtual Machines and Emulators Connecting to Other Systems File Transfer and Sharing Managing Users, Groups, and Authentication Backing Up and Restoring Files Setting Up a Web Server Setting Up a Mail Server Setting Up a DHCP Server Setting Up a DNS Server Setting Up a Print Server Setting Up an NFS Server Up a Samba Server

Use, is the book you need to succeed!

Ubuntu Server is a complete, free server operating system that just works, with the extra Ubuntu polish, innovation, and simplicity that administrators love. Now, there's a definitive, authoritative guide to getting up-and-running quickly with the newest, most powerful versions of Ubuntu Server. Written by leading members of the Ubuntu community, you know to make the most of Ubuntu Server, whether you're a beginner or a battle-hardened senior system administrator. The authors cover Ubuntu Server from start to finish: installation, basic administration and monitoring, security, backup, troubleshooting, system rescue, and much more. They walk through deploying each of the most common art, cost-saving virtualization. In addition, you'll learn how to Make the most of Ubuntu Server's latest, most powerful technologies Discover easy, fast ways to perform key administration tasks Automate Ubuntu installs, no matter how many servers you're installing Quickly set up low-cost web servers and email Protect your server with Ubuntu Server

With fault tolerance and clustering Master proven, step-by-step server and network troubleshooting techniques Walk through rescuing an Ubuntu server that won't boot

The Official Ubuntu Server Book/Pearson Education

Mastering Ubuntu Server, Third Edition not only strengthens your server fundamentals but also equips you with the advanced concepts of Ubuntu 20.04 LTS. It polishes and expands your skill set to prepare you for better business opportunities.

Mastering Ubuntu Server

Official Ubuntu Book

Quick Start Guide to Ubuntu Server

Linux Bible

Beginning Ubuntu LTS Server Administration

The official "Ubuntu 10.10 Server Guide" contains information on how to install and configure various server applications on your Ubuntu system to fit your needs.

This book is designed as an Ubuntu 18.04 LTS Server administration and reference source, covering the Ubuntu servers and their support applications. Server tools are covered as well as the underlying configuration files and system implementations. The emphasis is on what administrators will need to know to perform key server support and management tasks. Coverage of the systemd service management system is integrated into the book. Topics covered include software management, systemd service management, systemd-networkd and Netplan network configuration, AppArmor security, OpenSSH, the Chrony time server, and Ubuntu cloud services. Key servers are examined, including Web, FTP, CUPS printing, NFS, and Samba Windows shares. Network support servers and applications covered include the Squid proxy server, the Domain Name System (BIND) server, DHCP, distributed network file systems, iptables firewalls, and cloud computing. The book is organized into five parts: getting started, services, shared resources, network support, and shells.

The official "Ubuntu 10.04 LTS Server Guide" contains information on how to install and configure various server applications on your Ubuntu system to fit your needs.

Explore the potential of Ubuntu 20.04 to manage your local machine and external servers with ease! Key Features\* Learn how to install Ubuntu on a clean disk drive and with the network installer\* Find out how to set up a firewall to protect your system from vulnerable attacks\* Explore file-sharing services such as Samba and NFS to share files from Ubuntu to third-party systems! Book DescriptionUbuntu is undeniably one of the most highly regarded and widely used Debian-based Linux distributions available today. Thanks to its ease of use and reliability, Ubuntu has a loyal following of Linux users and an active community of developers.Ubuntu 20.04 Essentials is designed to take you through the installation, use, and administration of the Ubuntu 20.04 distribution in detail. For beginners, the book covers topics such as operating system installation, the basics of the GNOME desktop environment, configuring email and web servers, and installing packages and system updates. Additional installation topics such as dual booting with Microsoft Windows are also covered along with crucial security topics such as configuring a firewall and user and group administration.For the experienced user, the book delves into topics such as remote desktop access, the Cockpit web interface, logical volume management (LVM), disk partitioning, and swap management. Further, it also explores KVM virtualization, Secure Shell (SSH), Linux containers, and file sharing using both Samba and NFS to provide a thorough overview of this enterprise-class operating system.What you will learn\* Get to grips with the process of installing and booting Ubuntu\* Configure SSH key-based authentication on Ubuntu\* Create KVM virtual machines using Cockpit and the Virtual Machine Manager (VMM)\* Install, run, and manage containers on Ubuntu\* Send and receive emails using a third-party SMTP relay server.\* Add a new disk to an Ubuntu volume group and logical volume! Who this book is forIf you are into network engineering or system administration or are a Linux enthusiast looking to get hands-on with Ubuntu 20.04 to manage local and virtual machines, this book is for you. A solid understanding of basic Linux commands and knowledge of Ubuntu is recommended.

Ubuntu 20.04 Essentials

Ubuntu 10.10 Server Guide

Boot up to Ubuntu, Fedora, Knoppix, Debian, SUSE, and 11 Other Distributions

Mastering Linux System Administration

Ubuntu 20.04 LTS Server

Administer Ubuntu Server in the Enterprise Realize a dynamic, stable, and secure Ubuntu Server environment with expert guidance, tips, and techniques from a Linux professional. Ubuntu Server Administration covers every facet of system management—from users and file systems to performance tuning and troubleshooting. Learn how to automate installation using Kickstart, set up print and Web servers, configure and secure networks and TCP/IP ports, and implement Linux virtualization. You'll also get details on sharing resources via NFS and Samba, protecting your system, and customizing the Linux kernel. Install Ubuntu Server Edition in a production environment Use administrative commands, secure with the PolicyKit, and customize permissions with ACLs Configure filesystems in partitions, logical volumes, and RAID arrays. Configure secure remote administration using the Secure Shell and Landscape Manage updates and configure local repository mirrors Control users with quotas, PAMs, and authentication databases Build Web servers using Apache, MySQL, and PHP Handle security with AppArmor, Kerberos, iptables-based firewalls, and TCP Wrappers Virtualize your system using VMware, Virtualbox, and KVM Covers Ubuntu 8.04 (LTS)

This book guides you through all of the key configuration and administration tasks you'll need to know to quickly deploy and manage the Ubuntu Server distribution. Whether you're interested in adopting Ubuntu within a Fortune 500 environment or just want to use Ubuntu to manage your home network, this book is your go-to guide to using the distribution securely for a wide variety of network services. Topics include file, print, web, and FTP management, command-line tips and tricks, automated installation, configuration and deployment processes, and kernel management.

Get introduced to the world of Docker containers from a SQL Server DBA's perspective. This book explains container technology and how it can improve the deployment of your SQL Server databases without infrastructure lock-in. You will be equipped with the right technical skills to guide stakeholders in your business as they adopt and adapt to new technologies to improve time-to-market and competitiveness. You will learn how to build a lab environment at home on which to build skills that transfer directly into your day job. This book teaches you how to install and configure Docker on both Windows Server and Linux operating systems. You will learn the most common Docker commands that you need to know as a DBA to deploy and manage SQL Server on containers. Support for SQL Server on Linux is new, and this book has your back with guidance on creating Docker images specifically for deployment to a Linux platform. Included is coverage of key Linux commands needed to manage SQL Server on that operating system. By the end of the book you will have learned how to create your own custom SQL Server container images with configuration settings that are specific to your organization, that are capable of being deployed to both Windows Server and Linux. What You Will Learn Create Docker containers for agile deployment of SQL Server Run multiple SQL Server instances on a single Linux machine Deploy custom images specific to your organization's needs Know the benefits and architecture of container technology Install and configure Docker on Windows Server and Linux Manage and persist SQL Server data in Docker containers Who This Book Is For Intermediate to senior SQL Server DBAs who are familiar with SQL Server on Windows and want to build their existing skills to deploy and manage SQL Server on Linux and through Docker containers. Readers should have a grasp of relational database concepts and be comfortable with the Transact-SQL language.

The best reference for Ubuntu Linux Ubuntu Linux is a popular, powerful, and versatile operating system. Now you can get the most out of everything Ubuntu Linux has to offer with the Ubuntu Linux Bible. This complete and comprehensive guide introduces you to Ubuntu and shows you how to use it to its fullest, whether you're a typical desktop user or a system administrator. You'll learn to do everything from reading email to configuring wireless networks. You'll reap huge rewards from this book, regardless of how much prior experience you have with Ubuntu. Get started with Ubuntu Linux, and see what's in the newest version (20.04) Learn how to read emails, surf the web, and create and publish documents Take on system administration tasks, like creating and managing users and adding new disks to the system Discover how to use Ubuntu Linux in an enterprise or personal environment Figure out how to set up Ubuntu Linux servers for the web, email, shared printing, and more Find out why Ubuntu Linux is the most popular Linux operating system in the world

Ubuntu 18.04 LTS Server: Administration and Reference

Pro Ubuntu Server Administration

The SQL Server DBA's Guide to Docker Containers

Powerful Hacks and Customizations

Ubuntu Server Administration

Get ready to master the basics and beyond with this in-depth guide to Linux. You'll discover how Linux is productive enough to use as your only desktop system and powerful enough to run entire corporate enterprise installations. Plus, you'll walk through 16 different Linux distributions, find step-by-step

instructions, be introduced to new programming tools, and tap into the world of free software, all aimed at helping you succeed with Linux. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Using applications should be open yet secure. Far too often security is added as an afterthought. Potential flaws need to be identified and addressed right away. This book explores Ajax and web application security with an eye for dangerous gaps and offers ways that you can plug them before they become a problem. By making security part of the process from the start, you will learn how to build secure Ajax applications and discover how to respond quickly when attacks occur. Securing Ajax Applications succinctly explains that the same back-and-forth communications that make Ajax so responsive also gives invaders new opportunities

to gather data, make creative new requests of your server, and interfere with the communications between you and your customers. This book presents basic security techniques and examines vulnerabilities with JavaScript, XML, JSON, Flash, and other technologies — vital information that will ultimately save you time and money. Topics include: An overview of the evolving web platform, including APIs, feeds, web services and asynchronous messaging Web security basics, including common vulnerabilities, common cures, state management and session management How to secure web technologies, such as Ajax, JavaScript, Java applets, Active X controls, plug-ins, Flash and Flex How to protect your server, including front-line defense, dealing with application servers, PHP and scripting Vulnerabilities among web standards such as HTTP, XML, JSON, RSS, ATOM, REST, and XODS How to secure web services, build secure APIs, and make open mashups secure

Securing Ajax Applications takes on the challenges created by this new generation of web development, and demonstrates why web security isn't just for administrators and back-end programmers any more. It's also for web developers who accept the responsibility that comes with using the new wonders of the Web.

Tom Swartz offers the technical skills and industry know-how required to begin an exciting career installing, configuring, and troubleshooting computer networks with the completely updated NETWORKS GUIDE TO NETWORKS, 7E. Readers prepare for success on CompTIA's Network+ N10-006 certification exam with fully mapped coverage of all objectives, including protocols, topologies, hardware, network design, and troubleshooting. New interactive features cater to the grazing reader, making essential information easily accessible and helping learners visualize high-level concepts. This edition introduces the latest developing technology with a fresh, logical organization. New OSI layer icons visually link concepts and the OSI model. New and updated on the Job stories, Applying Concepts activities, Hands-On and Case Projects encourage further exploration of chapter concepts. This edition's emphasis on real-world problem solving provides the tools to succeed in any computing environment. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Get up to date with the finer points of Ubuntu Server using this comprehensive guide About This Book Get well-versed with newly-added features in Ubuntu 16.04 Master the art of installing, managing, and troubleshooting Ubuntu Server A practical easy-to-understand book that will help you enhance your existing skills. Who This Book Is For This book is intended for readers with intermediate or advanced-beginner skills with Linux, who would like to learn all about setting up servers with Ubuntu Server. This book assumes that the reader knows the basics of Linux, such as editing configuration files and running basic commands. What You Will Learn

Learn how to manage users, groups, and permissions Encrypt and decrypt disks with Linux Unified Key Setup /Aix Setup SSH for remote access, and connect it to other nodes Understand how to add, remove, and search for packages Use NFS and Samba to share directories with other users Get to know techniques for managing Apache and MariaDB Explore best practices and troubleshooting techniques In Detail Ubuntu is a Debian-based Linux operating system, and has various versions targeted at servers, desktops, phones, tablets and televisions. The Ubuntu Server Edition, also called Ubuntu Server, offers support for several common configurations, and also simplifies common Linux server deployment processes. With this book as their guide, readers will be able to configure and deploy Ubuntu Servers using Ubuntu Server 16.04, with all the skills necessary to manage real servers. The book begins with the concept of user management, group management, as well as file-system permissions. To manage your storage on Ubuntu Server systems, you will learn how to add and format storage and view disk usage. Later, you will also learn how to configure network interfaces, manage IP addresses, deploy Network Manager in order to connect to networks, and manage network interfaces. Furthermore, you will understand how to start and stop services so that you can manage running processes on Linux servers. The book will then demonstrate how to access and share files to or from Ubuntu Servers. You will learn how to create and manage databases using MariaDB and share web content with Apache. To virtualize hosts and applications, you will be shown how to set up KVM/Qemu and Docker and manage virtual machines with virt-manager. Lastly, you will explore best practices and troubleshooting techniques when working with Ubuntu Servers. By the end of the book, you will be an expert Ubuntu Server administrator well-versed in its advanced concepts. Style an Approach This book is an advanced guide that will show readers how to administer, manage, and deploy Ubuntu server and will also provide expert-level knowledge on advanced security and backup techniques.

Configuring and Deploying Open Source with IBM WebSphere Application Server Liberty Profile

Agile Deployment without Infrastructure Lock-in

Linux: Powerful Server Administration

Troubleshooting Ubuntu Server

Ubuntu Server for Small Business

Unleash the true potential of Ubuntu Server in your production environment using this administration guide About This Book Learn how to deploy and configure Ubuntu servers and work with cloud and hyper-visors Optimize network traffic to broadcast and multicast the traffic flow in OpenStack Discover the essentials of the latest version of Ubuntu, which are good in both looks and performance, using this fast-paced guide Who This Book Is For This book is for system administrators who are familiar with the fundamentals of the Linux operating system and are looking for a fast-paced guide on Ubuntu, and those who are familiar with the older versions of Ubuntu and want to get up to scratch. Basic knowledge of Linux administration is assumed. What You Will Learn Install and set up Ubuntu Server in the shortest possible time, manually as well as in an automated way, for a single server or hundreds of servers Discover the fundamentals of the Linux command-line interface Configure and administer Ubuntu Server using networking and CLI Deploy servers on Ubuntu in the simplest and fastest ways Enhance security within Ubuntu Server using tools such as firewalls, IDS, and IPS and procedures such as restore, rescue, and recovery Work with virtualization, clouds, and one of the best in open source cloud computing —OpenStack Optimize CLI for grep and exec commands and gain some best tips and tricks for Ubuntu Server administration In Detail Ubuntu is a Debian-based Linux operating system built on top of the Debian architecture. It is used to make operating systems for multiple platforms, including phones, desktops, TVs and mobiles. It has made some serious progress in the realms of efficiency and user friendliness. With evolving technology trends, demands on software have changed, with more and more skilled users. Over the past few years, services such as Facebook, Twitter, and push notifications on smartphones mean that users are used to being up to date with everything that happens all the time. With SignalR, the applications stay connected and will generate notifications when something happens either from the system or by other users. This provides new opportunities for the system administrators, to enter this new and exciting world of real-time application development. This is a concise and a cost-friendly guide, packed with up-to-date essentials on Ubuntu Server fundamentals. It will guide you through deploying and configuring Ubuntu servers in your office environments. You'll start by installing Ubuntu Server, then move to the most useful aspect —the command-line interface inside it. You'll extend your knowledge by learning how to administer and configure Ubuntu Server. You will also see how to deploy services on Ubuntu Server and find out how to secure it. You'll get to grips with the virtualization and cloud computing facilities provided by Ubuntu, and finally, you'll gain some very useful tips. Style and approach This concise and easy-to-follow guide follows a step-by-step approach to help you master Ubuntu server, no matter what your level of expertise it. Each topic is explained sequentially with both essential information and whenever needed, in-depth references.

Get up-to-date with the finer points of Ubuntu Server using this comprehensive guide About This Book A practical easy-to-understand book that will teach you how to deploy, maintain and troubleshoot Ubuntu Server Get well-versed with newly-added features in Ubuntu 18.04. Learn to manage cutting-edge technologies such as virtualization, containers, Nextcloud and more Who This Book Is For This book is intended for readers with intermediate or advanced-beginner skills with Linux, who would like to learn all about setting up servers with Ubuntu Server. This book assumes that the reader knows the basics of Linux, such as editing configuration files and running basic commands. What You Will Learn Manage users, groups, and permissions Encrypt and decrypt disks with Linux Unified Key Setup (LUKS) Set up SSH for remote access, and connect it to other nodes Add, remove, and search for packages Use NFS and Samba to share directories with other users Get to know techniques for managing Apache and MariaDB Explore best practices and troubleshooting techniques Get familiar with scripting Automate server deployments with Ansible In Detail Ubuntu Server has taken the data centers by storm. Whether you're deploying Ubuntu for a large-scale project or for a small office, it is a stable, customizable, and powerful Linux distribution that leads the way with innovative and cutting-edge features. For both simple and complex server deployments, Ubuntu's flexible nature can be easily adapted to meet to the needs of your organization. With this book as your guide, you will learn all about Ubuntu Server, from initial deployment to creating production-ready resources for your network. The book begins with the concept of user management, group management, and filesystem permissions. Continuing into managing storage volumes, you will learn how to format storage devices, utilize logical volume management, and monitor disk usage. Later, you will learn how to virtualize hosts and applications, which will cover setting up KVM/QEMU, as well as containerization with both Docker and LXD. As the book continues, you will learn how to automate configuration with Ansible, as well as take a look at writing scripts. Lastly, you will explore best practices and troubleshooting techniques when working with Ubuntu Server that are applicable to real-world scenarios. By the end of the book, you will be an expert Ubuntu Server administrator who is well-versed in its advanced concepts. Style an ...

This book is designed as an Ubuntu 20.04 LTS Server administration and reference source, covering the Ubuntu servers and their support applications. Server tools are covered as well as the underlying configuration files and system implementations. The emphasis is on what administrators will need to know to perform key server support and management tasks. Coverage of the systemd service management system is integrated into the book. Topics covered include software management, systemd service management, systemd-networkd and Netplan network configuration, AppArmor security, OpenSSH, the Chrony time server, and Ubuntu cloud services. Key servers are examined, including Web, FTP, CUPS printing, NFS, and Samba Windows shares. Network support servers and applications covered include the Squid proxy server, the Domain Name System (BIND) server, DHCP, distributed network file systems, iptables firewalls, and cloud computing.

Installing Ubuntu LTS Server Administration, Second Edition is the touchstone companion book for anyone implementing Ubuntu LTS Server. Author Sander van Vugt introduces the most recent server edition of Ubuntu Linux, the most popular Linux distribution, to power users, system administrators, and programmers and demonstrates the power and flexibility that the Hardy-Heron Ubuntu Server Long Term Support Edition offers for small networks and corporate systems alike. This book covers: Installing and configuring Ubuntu to ensure secure installations Virtual Ubuntu Full network and web services management

Ubuntu 11.04 Server Guide

Ubuntu

Featuring Ubuntu 10.04 LTS

Networks+ Guide to Networks

The official "Ubuntu 11.04 Server Guide" contains information on how to install and configure various server applications on your Ubuntu system to fit your needs.

This book covers the Ubuntu 19.04 (Disco Dingo) release, focusing on applications and administrative tools. The emphasis here is on what users will face when using Ubuntu, covering topics like installation, applications, software management, the Ubuntu desktops (GNOME, MATE, and KDE), shell commands, network connections, and system administration tasks. There are four parts: Getting Started, Applications, Desktops, and Administration. Part 1 focuses on getting started, covering Ubuntu information and resources, using Ubuntu Live DVD/USB discs, installing and setting up Ubuntu, upgrading Ubuntu Linux, basic use of the desktop interface, and connecting to wired and wireless networks. Ubuntu Software and Synaptic Package manager, which provides easy and effective software management, are both discussed. Part 2 keys in on office, multimedia, mail, Internet, and social media applications. Part 3 covers the Ubuntu, Kubuntu, Ubuntu MATE, Xubuntu, and Ubuntu desktops, as well as the Bash shell. The Ubuntu desktop with the GNOME interface is examined in detail. Part 4 deals with administration topics, first discussing system tools like the GNOME system monitor, the Disk Usage Analyzer, and Disk Utility. Then a detailed chapter on Ubuntu system administration tools is presented, covering tasks such as managing users and file systems, Bluetooth support, network folder sharing,

backups, and printing. The network connections chapter covers a variety of network tasks, including manual configuration of wired and wireless connections, and firewalls.

Want to learn a new skill? Expand the technology that you work with? This is the latest version of Neil's books on the Ubuntu operating system and revised to teach the newest version of Ubuntu (16.04 LTS). This book covers the basics of understanding how to use the latest long term support edition of Ubuntu (16.04 LTS). In this book we use Ubuntu 16.04 LTS to learn multiple fundamentals in using Linux and later will go through the process of creating a web server. 80% of websites are driven by Linux servers. Understanding the basics and expanding upon this will provide great career opportunities and a great skill as well. We start simple and the reader does not need any prior knowledge. We will make baby steps and slowly work ourselves up to configuring the Ubuntu Server to be a functional web server. There will still be much to learn, but within a few hours you can have your own Linux server setup, understand the basics, and also have WordPress loaded into it. We cover installing packages, creating files in nano, LAMP stack (Linux Apache MySQL PHP), and try to do so in a practical way so that you can finish this guide with something to show off. This book covers multiple ways to get started, including two different VPS providers, installing the OS onto a computer, and configuration a virtual machine using Oracle's VirtualBox.

The IBM® Redbooks® publication is Volume 4 of a series of books entitled The Virtualization Cookbook for IBM z Systems. The other volumes in the series are: The Virtualization Cookbook for IBM z Systems Volume 1: IBM z/VM 6.3, SG24-8147 The Virtualization Cookbook for IBM z Systems Volume 2: Red Hat Enterprise Linux 7.1 Servers, SG24-8303 The Virtualization Cookbook for IBM z Systems Volume 3: SUSE Linux Enterprise Server 12, SG24-8890 It is advised that you start with Volume 1 of this series, because the IBM z/VM Hypervisor is the foundation for installing Linux on IBM z/VM Systems.

: Administration and Reference

Ubuntu 16.04 Lts

Ubuntu 19.04 Desktop: Applications and Administration

A Guide to Ubuntu 20.04 Desktop and Server Editions

The Official Ubuntu Server Book

The official guide to the hottest Linux distribution, which starts you out and points you in the direction you want to go.

Make life at the office easier for server administrators by helping them build resilient Ubuntu server systems About This Book Tackle the issues you come across in keeping your Ubuntu server up and running Build server machines and troubleshoot cloud computing related issues using Open Stack Discover tips and best practices to be followed for minimum maintenance of Ubuntu Server 3 Who This Book Is For This book is for a vast audience of Linux system administrators who primarily work on Debian-based systems and spend long hours trying fix issues with the enterprise server. Ubuntu is already one of the most popular OSes and this book targets the most common issues that most administrators have to deal with.

With the right tools and definite solutions, you will be able to keep your Ubuntu servers in the pink of health. What You Will Learn Deploy packages and their dependencies with repositories Set up your own DNS and network for Ubuntu Server Authenticate and validate users and their access to various systems and services Maintain, monitor, and optimize your server resources and avoid tremendous load Get to know about processes, assigning and changing priorities, and running processes in background Optimize your shell with tools and provide users with an improved shell experience Set up separate environments for various services and run them safely in isolation Understand, build, and deploy OpenStack on your Ubuntu Server In Detail Ubuntu is becoming one of the favorite Linux flavors for many enterprises and is being adopted to a large extent. It supports a wide variety of common network systems and the use of standard Internet services including file serving, e-mail, Web, DNS, and database management. A large scale use and implementation of Ubuntu on servers has given rise to a vast army of Linux administrators who battle it out day in and day out to make sure the systems are in the right frame of operation and pre-empt any untoward incidents that may result in catastrophes for the businesses using it. Despite all these efforts, glitches and bugs occur that affect Ubuntu server's network, memory, application, and hardware and also generate cloud computing related issues using OpenStack. This book will help you end to end. Right from setting up your new Ubuntu Server to learning the best practices to host OpenStack without any hassles. You will be able to control the priority of jobs, restrict or allow access users to certain services, deploy packages, tackle issues related to server effectively, and reduce downtime. Also, you will learn to set up OpenStack, and manage and monitor its services while tuning the machine with best practices. You will also get to know about Virtualization to make services server users better. Chapter by chapter, you will learn to add new features and functionalities and make your Ubuntu server a full-fledged, production-ready system. Style and approach This book contains topic-by-topic discussion in an easy-to-understand language with loads of examples to help you take care of Ubuntu Server. Plenty of screenshots will guide you through a step-by-step approach.

Get hands-on recipes to make the most of Ubuntu Server. CentOS 7 Linux Server and RHEL 7 Server About This Book Get Linux servers up and running in seconds, In-depth guide to explore new features and solutions in server administration Maintain performance and security of your server solution by deploying expert configuration advice Who This Book Is For This Learning Path is intended for system administrators with a basic understanding of Linux operating systems and written with the novice-to-intermediate Linux user in mind. To get the most of this Learning Path, you should have a working knowledge of basic system administration and management tools. What You Will Learn Set up high performance, scalable, and fault-tolerant back ends with web and database servers Facilitate team communication with a real-time chat service and collaboration tools Monitor, manage and develop your server's file system to maintain a stable performance Gain best practice methods on sharing files and resources through a network Install and configure common standard services such as web, mail, FTP, database and domain name server technologies Create Kickstart scripts to automatically deploy RHEL 7 systems Use Orchestration and configuration management tools to manage your environment In Detail Linux servers are frequently selected over other server operating systems for their stability, security and flexibility advantages. This Learning Path will teach you how to get up and running with three of the most popular Linux server distros: Ubuntu Server, CentOS 7 Server, and RHEL 7 Server. We will begin with the Ubuntu Server and show you how to make the most of Ubuntu's advanced functionalities. Moving on, we will provide you with all the knowledge that will give you access to the inner workings of the latest CentOS version 7. Finally, touching RHEL 7, we will provide you with solutions to common RHEL 7 Server challenges. This Learning Path combines some of the best that Packt has to offer in one complete, curated package. It includes content from the following Packt products: 1) Ubuntu Server Cookbook 2) CentOS 7 Linux Server Cookbook, Second Edition 3) Red Hat Enterprise Linux Server Cookbook Style and approach This easy-to-follow practical guide contains hands on examples and solutions to real word administration problems and problems faced when building your RHEL 7 system from scratch using orchestration tools.

Pro Ubuntu Server Administration teaches you advanced Ubuntu system building. After reading this book, you will be able to manage anything from simple file servers to multiple virtual servers to high-availability clusters. This is the capstone volume of the Apress Ubuntu trilogy that includes Beginning Ubuntu Linux, Third Edition and Beginning Ubuntu Server LTS Administration: From Novice to Professional, Second Edition. You will be able to make Ubuntu technology shine in a Fortune 500 environment and let Ubuntu server become the backbone of your infrastructure. Topics covered include Performance monitoring and optimization High-availability clustering Advanced Lightweight Directory Access Protocol (LDAP) integrated networking

Ubuntu Server Essentials

Ubuntu Server Cookbook

Ubuntu Linux Bible

Master the art of deploying, configuring, managing, and troubleshooting Ubuntu Server 18.04, 2nd Edition

Securing Ajax Applications

Arm yourself to make the most of the versatile, powerful Ubuntu Server with over 100 hands-on recipes About This Book Master the skills to setup secure and scalable web services with popular tools like Apache, Nginx, MySQL, and HAProxy Set up your own cloud with Open Stack and quickly deploy applications with Docker or LXD Packed with clear, step-by-step recipes to let you protect your valuable data with your own chat servers, code hosting, and collaboration tools. Who This Book Is For Ubuntu Server Cookbook is for system administrators or software developers with a basic understanding of the Linux operating system who want to set their own servers. You are not required to have in-depth knowledge or hands-on experience with Ubuntu, but you should know the basics commands for directory navigation, file management, and the file editing tool. An understanding of computer networks is advisable. What You Will Learn Set up high performance, scalable, and fault-tolerant back ends with web and database servers Facilitate team communication with a real-time chat service and collaboration tools Quickly deploy your applications to their own containers and scale your infrastructure as and when needed Find out how to set up your own cloud infrastructure for your internal use or rent it to the public Ensure quick and easy access for your users while also securing your infrastructure from intruders Set up a high performance private network with a personal VPN server and centralized authentication system Swiftly start a content streaming service Set up network storage for private data and source code and say good bye to costly and unreliable cloud services In Detail Ubuntu is one of the most secure operating systems and defines the highest level of security as compared other operating system. Ubuntu server is a popular Linux distribution and the first choice when deploying a Linux server. It can be used with a \$35 Raspberry Pi to top-notch, thousand-dollar-per-month cloud hardware. Built with lists that there are 4 million + websites built using Ubuntu. With its easy-to-use package management tools and availability of well-known packages, we can quickly set up our own services such as web servers and database servers using Ubuntu. This book will help you develop the skills required to set up high performance and secure services with open source tools. Starting from user management and an in-depth look at networking, we then move on to cover the installation and management of web servers and database servers, as well as load balancing various services. You will quickly learn to set up your own cloud and minimize costs and efforts with application containers. Next, you will get to grips with setting up a secure real-time communication system. Finally, we'll explore source code hosting and various collaboration tools. By the end of this book, you will be able to make the most of Ubuntu's advanced functionalities. Style and approach This easy-to-follow guide contains a series of step-by-step recipes ranging from simple to complex. Each topic will start with basic introduction to each technology followed by a detailed step-by-step installation guide and then a detailed explanation of the approach taken during installation and the various advanced options available.

Advance Linux system administration mastery with time-tested and proven techniques In Mastering Linux System Administration, Linux experts and system administrators Christine Bresnahan and Richard Blum deliver a comprehensive roadmap to go from Linux beginner to expert Linux system administrator with a learning-by-doing approach. Organized by do-it-yourself tasks, the book includes instructor materials like a sample syllabus, additional review questions, and slide decks. Amongst the practical applications of the Linux operating system included within, you'll find detailed and easy-to-follow instruction on: Installing Linux servers, understanding the boot and initialization processes, managing hardware, and working with networks Accessing the Linux command line, working with the virtual directory structure, and creating shell scripts to automate administrative tasks Managing Linux user accounts, system security, web and database servers, and virtualization environments Pys for entry-level Linux system administrators, as well as system administrators familiar with Windows, Mac, NetWare, or other UNIX systems, Mastering Linux System Administration is a must-read guide to manage and secure Linux servers.

This IBM® Redbooks® publication explains the capabilities of IBM WebSphere® Application Server Liberty profile (Liberty profile), which is lightweight, easy to install, and fast to use. Liberty profile provides a convenient and capable platform for developing and testing your web and OSGi applications. The Liberty profile server is built by using OSGi technology and concepts. The fit-for-purpose nature of the run time relies on the dynamic behavior that is inherent in the OSGi framework and service registry. As bundles are installed or uninstalled from the framework, their services are automatically added or removed from the service registry. The result is a dynamic, composable run time that can be provisioned with only what your application requires and responds dynamically to configuration changes as your application evolves. This book can help you install, customize, and configure several popular open source technologies that can be deployed effectively with the Liberty profile server. The following popular open source toolkits for the Liberty profile server were selected for this book based on the significant enhancements they provide to the web application development process: Apache Maven Spring Framework Hibernate Jenkins Opscode Chef Arquillian MongoDB In this book, the Todo sample demonstrates the use of multiple open source frameworks or toolkits with the Liberty profile server, including Maven, MongoDB, Spring, JPA, Arquillian, Wicket, and others. The Todo sample is a simple application that can be used to create, update, and delete todo items and todo lists, and put the todo items into a related todo list.

This book is designed as an Ubuntu 21.04 Server administration and reference source, covering the Ubuntu servers and their support applications. Server tools are covered as well as the underlying configuration files and system implementations. The emphasis is on what administrators will need to know to perform key server support and management tasks. Coverage of the systemd service management system is integrated into the book. Topics covered include software management, systemd service management, AppArmor security, OpenSSH, the Chrony time server, and Ubuntu cloud services. Key servers are examined, including Web, FTP, CUPS printing, NFS, and Samba Windows shares. Network support servers and applications covered include the Squid proxy server, the Domain Name System (BIND) server, DHCP, distributed network file systems, iptables firewalls, and cloud computing.

Ensuring the Safety of the Dynamic Web

Ubuntu 10.04 Lts Server Guide

Mastering Ubuntu Server - Second Edition

Ubuntu 16.04 LTS Desktop: Applications and Administration

The Official Ubuntu Book

Pro Ubuntu Server Administration teaches you advanced Ubuntu system building. After reading this book, you will be able to manage anything from simple file servers to multiple virtual servers to high-availability clusters. This is the capstone volume of the Apress Ubuntu trilogy that includes Beginning Ubuntu Linux, Third Edition and Beginning Ubuntu Server LTS Administration: From Novice to Professional, Second Edition. You will be able to make Ubuntu technology shine in a Fortune 500 environment and let Ubuntu server become the backbone of your infrastructure. Topics covered include Performance monitoring and optimization High-availability clustering Advanced Lightweight Directory Access Protocol (LDAP) integrated networking

Ubuntu is a Debian-based Linux distribution with versions available for both desktops as well as servers. The Server edition, Ubuntu Server, has set the industry standard for Linux in the data center as well as the cloud. Organizations, inventors, and hobbyists alike will benefit from its flexible configuration, fast deployment, and a plethora ...

Gain expertise in the art of deploying, configuring, managing, and troubleshooting Ubuntu Server, 3rd Edition

Ubuntu 21.04 Server

Beginning Ubuntu Server Administration

The Virtualization Cookbook for IBM z Systems Volume 4: Ubuntu Server 16.04

From Novice to Professional