

## Access Cookbook O'Reilly Windows

**A guide to Microsoft Access covers such topics as working with creating a database, formatting data, working with tables, working with queries, using macros, and formatting forms.**

**With more than 150 detailed recipes, this cookbook shows experienced Clojure developers how to solve a variety of programming tasks with this JVM language. The solutions cover everything from building dynamic websites and working with databases to network communication, cloud computing, and advanced testing strategies. And more than 60 of the world's best Clojurians contributed recipes. Each recipe includes code that you can use right away, along with a discussion on how and why the solution works, so you can adapt these patterns, approaches, and techniques to situations not specifically covered in this cookbook. Master built-in primitive and composite data structures Create, develop and publish libraries, using the Leiningen tool Interact with the local computer that's running your application Manage network communication protocols and libraries Use techniques for connecting to and using a variety of databases Build and maintain dynamic websites, using the Ring HTTP server library Tackle application tasks such as packaging, distributing, profiling, and logging Take on cloud computing and heavyweight distributed data crunching Dive into unit, integration, simulation, and property-based testing Clojure Cookbook is a collaborative project with contributions from some of the world's best Clojurians, whose backgrounds range from aerospace to social media, banking to robotics, AI research to e-commerce.**

**Mathematica Cookbook helps you master the application's core principles by walking you through real-world problems. Ideal for browsing, this book includes recipes for working with numerics, data structures, algebraic equations, calculus, and statistics. You'll also venture into exotic territory with recipes for data visualization using 2D and 3D graphic tools, image processing, and music. Although Mathematica 7 is a highly advanced computational platform, the recipes in this book make it accessible to everyone -- whether you're working on high school algebra, simple graphs, PhD-level computation, financial analysis, or advanced engineering models. Learn how to use Mathematica at a higher level with functional programming and pattern matching Delve into the rich library of functions for string and structured text manipulation Learn how to apply the tools to physics and engineering problems Draw on Mathematica's access to physics, chemistry, and biology data Get techniques for solving equations in computational finance Learn how to use Mathematica for sophisticated image processing Process music and audio as musical notes, analog waveforms, or digital sound samples**

**This practical reference guide offers hundreds of useful tasks for managing Windows 2000 and Windows Server 2003, Microsoft's latest and greatest server. Through concise, on-the-job solutions to common problems, Windows Server Cookbook for Windows Server 2003 & Windows 2000 is certain to save you hours of time searching for answers. Now, instead of dredging reams of Microsoft documentation or browsing its unstructured knowledge base to figure out a particular issue--such as how to compare registry values between two hosts--you can simply reference the index of Windows**

**Server Cookbook for Windows Server 2003 & Windows 2000.** From there, you'll be directed to the exact trouble-shooting recipe they need. As the newest title in O'Reilly's popular Cookbook series, this book covers a wide range of issues that you are likely to face in your daily management of the Windows Server operating system. This includes how to deal with: files event logs DNS DHCP security the registry backup/restore One of the book's key benefits is the presentation of solutions in three different recipe formats. Depending on preference, you can solve most problems with the graphical user interface, the command line, or by using scripts. Where appropriate, all three solutions are presented for each recipe in this book. Each recipe also includes a detailed discussion that explains how and why it works. **Windows Server Cookbook for Windows Server 2003 & Windows 2000** is written for all levels of system administrators on Windows servers. If you're a relatively new user with only a rudimentary understanding of the job, the book can open your eyes to the many possibilities that await. And if you're an advanced user, it can serve as a useful reference and memory-jogger. Download the code examples from this book. The complete set of examples is available at: <http://www.rallenhome.com/books/?winsckbk/code.html>.

Ask network administrators what their most critical computer application is, and most will say "email" without a moment's hesitation. If you run a network powered by Windows 2000 or Windows Server 2003, Microsoft Exchange occupies much of your time. According to Microsoft, 110 million Exchange seats have been deployed, but 60% of you are still running Exchange 5.5. That's a problem, because the difference between version 5.5 and the more efficient Exchange 2000 and Exchange Server 2003 is

**profound. Don't fret. Exchange Server Cookbook offers you a comprehensive how-to guide to these newer versions of Exchange. You'll find quick solutions for the most common tasks you need to perform--everything from installation and maintenance to configuration and optimization, with proven recipes for the most useful tools and utilities. The book also has solutions to some uncommon tasks (that you may not know are possible) and advanced procedures that aren't part of day-to-day operations. These include tasks for critical situations, such as using a recovery storage group. Our reliable desktop reference even shows you how to write scripts for Exchange management and deployment tasks. That's right. While not every Exchange job can be scripted, many can, and we provide lots of working VBScript examples for accomplishing particular goals. Whatever your particular need, you'll find it quickly, because chapters in this Cookbook are laid out by recipe, with cross references to other pertinent solutions in the book. With this guide, you'll learn:**

- The relationship between Exchange and Active Directory**
- When to use the GUI, the command line, or scripting**
- How to prepare forests, domains, and servers**
- How to use Group Policy to control Exchange**
- Diagnostic logging, measure performance, and administrative privileges**
- Recipient management: user accounts, mailboxes, mail-enabled groups**
- Mailbox and public folder database management**
- Message routing and transport functions**
- Security, backup, restore, and recovery operations**

**For every question you have about Exchange 2000 or Exchange Server 2003, our Cookbook has the answer--one that you can find and implement without a moment's hesitation.**

**For Windows Server 2003 & Windows 2000**

**Security Solutions and Scripts for System Administrators**  
**Windows Server 2016 Administration Cookbook**  
**Windows PowerShell Pocket Reference**  
**Designing, Deploying, and Running Active Directory**

*Whether you're deploying applications on-premise or in the cloud, this cookbook is for developers, operators, and IT professionals who need practical solutions for using Docker. The recipes in this book will help developers go from zero knowledge to distributed applications packaged and deployed within a couple of chapters. IT professionals will be able to use this cookbook to solve everyday problems, as well as create, run, share, and deploy Docker images quickly. Operators will learn and understand what developers are excited about and start to adopt the tools that will change the way they work.--*

*Describes how to fix glitches found on a PC, covering such topics as email, Microsoft Windows, the Internet, Microsoft Office, hardware, and music and video.*

*Learn the art of configuring, deploying, managing and securing Windows 10 for your enterprise. About This Book Enhance your enterprise administration skills to manage Windows 10 Redstone 3 Get acquainted with configuring Azure Active Directory for enabling cloud-based services and Remote Server Admin Tools for managing Windows Server Provide enterprise-level security with ease using the built-in data loss prevention of Windows 10 Who This Book Is For If you are a system administrator who has been given the responsibility of administering and managing Windows 10 Redstone 3, then this book is for you. If you have deployed and managed previous versions of Windows, it would be an added advantage. What You Will Learn Understand the remote access capabilities Use third-party tools to deploy Windows 10 Customize image and user Interface experience Implement assigned access rights Configure remote administration Manage Windows 10 security Work with Azure AD and Intune management In Detail Microsoft's launch of Windows 10 is a step toward satisfying the enterprise administrator's needs*

*for management and user experience customization. This book provides the enterprise administrator with the knowledge needed to fully utilize the advanced feature set of Windows 10 Enterprise. This practical guide shows Windows 10 from an administrator's point of view. You'll focus on areas such as installation and configuration techniques based on your enterprise requirements, various deployment scenarios and management strategies, and setting up and managing admin and other user accounts. You'll see how to configure Remote Server Administration Tools to remotely manage Windows Server and Azure Active Directory. Lastly, you will learn modern Mobile Device Management for effective BYOD and how to enable enhanced data protection, system hardening, and enterprise-level security with the new Windows 10 in order to prevent data breaches and impede attacks. By the end of this book, you will know the key technologies and capabilities in Windows 10 and will confidently be able to manage and deploy these features in your organization. Style and approach This step-by-step guide will show you how to*

*configure, deploy, manage, and secure the all new Windows 10 Redstone 3 for your enterprise.*

*Portable, powerful, and a breeze to use, Python is the popular open source object-oriented programming language used for both standalone programs and scripting applications. It is now being used by an increasing number of major organizations, including NASA and Google. Updated for Python 2.4, The Python Cookbook, 2nd Edition offers a wealth of useful code for all Python programmers, not just advanced practitioners. Like its predecessor, the new edition provides solutions to problems that Python programmers face everyday. It now includes over 200 recipes that range from simple tasks, such as working with dictionaries and list comprehensions, to complex tasks, such as monitoring a network and building a templating system. This revised version also includes new chapters on topics such as time, money, and metaprogramming. Here's a list of additional topics covered: Manipulating text Searching and sorting Working with files and the filesystem Object-*

*oriented programming Dealing with threads and processes System administration Interacting with databases Creating user interfaces Network and web programming Processing XML Distributed programming Debugging and testing Another advantage of The Python Cookbook, 2nd Edition is its trio of authors--three well-known Python programming experts, who are highly visible on email lists and in newsgroups, and speak often at Python conferences. With scores of practical examples and pertinent background information, The Python Cookbook, 2nd Edition is the one source you need if you're looking to build efficient, flexible, scalable, and well-integrated systems.*

*Over 100 recipes to help you leverage PowerShell to automate Windows Server 2016 manual tasks About This Book Automate Windows server tasks with the powerful features of the PowerShell Language Master new features such as DevOps, containers, and Nano servers, and speed up their performance using PowerShell Improve PowerShell's usability, and control and manage Windows-based environments by working through*

*inviting recipes Who This Book Is For If you are a systems administrator, engineer, or an architect working with Windows Server 2016 and want to automate tasks with PowerShell, then this book is for you. A basic knowledge of PowerShell is expected. What You Will Learn Streamline routine administration processes Improve the performance and storage of your Windows server with enhanced large-scale PowerShell scripts Use DSC to leverage Windows server features Generate automatic reports that highlight unexpected changes in your environment Monitor performance and report on system utilization using detailed graphs and analysis Create and manage a reliable and redundant Hyper-V environment Manage your enterprise's patch level Utilize multiple tools and protocols to manage your environment In Detail This book showcases several ways that Windows administrators can use to automate and streamline their job. You'll start with the PowerShell and Windows Server fundamentals, where you'll become well versed with PowerShell and Windows Server features. In the next module,*

*Core Windows Server 2016, you'll implement Nano Server, manage Windows updates, and implement troubleshooting and server inventories. You'll then move on to the Networking module, where you'll manage Windows network services and network shares. The last module covers Azure and DSC, where you will use Azure on PowerShell and DSC to easily maintain Windows servers. Style and approach This is a practical guide packed with attractive recipes to help you effectively use PowerShell to accelerate your daily administrative tasks with Windows server.*

*ADO.NET 3.5 Cookbook*

*Building Blocks for Science, Engineering, Finance, Music, and More*

*Windows 10 for Enterprise Administrators*

*Microsoft IIS 10.0 Cookbook*

*Eclipse*

*PowerShell for Sysadmins*

The world of Raspberry Pi is evolving quickly, with many new interface boards and software libraries becoming available all the time. In this cookbook, prolific hacker and

author Simon Monk provides more than 200 practical recipes for running this tiny low-cost computer with Linux, programming it with Python, and hooking up sensors, motors, and other hardware—including Arduino. You'll also learn basic principles to help you use new technologies with Raspberry Pi as its ecosystem develops. Python and other code examples from the book are available on GitHub. This cookbook is ideal for programmers and hobbyists familiar with the Pi through resources such as *Getting Started with Raspberry Pi* (O'Reilly). Set up and manage your Raspberry Pi Connect the Pi to a network Work with its Linux-based operating system Use the Pi's ready-made software Program Raspberry Pi with Python Control hardware through the GPIO connector Use Raspberry Pi to run different types of motors Work with switches, keypads, and other digital inputs Hook up sensors for taking various measurements Attach different displays, such as an LED matrix Create dynamic projects with Raspberry Pi and Arduino Make sure to check out 10 of the over 60 video recipes for this book at:

<http://razzpisampler.oreilly.com/> You can purchase all recipes at:

Conquer Microsoft Access 2013—from the inside out! You're beyond the basics, so dive right into Access 2013—and use your skills to create sophisticated database apps! This supremely organized reference packs hundreds of timesaving solutions, troubleshooting tips, and workarounds. It's all muscle and no fluff. Discover how the experts tackle Access 2013—and challenge yourself to new levels of mastery. Build an Access Services

web app with Microsoft SharePoint Server Automate your Access web app with data macros Create tables in your Access web app using built-in templates Aggregate and display your web app data using totals queries Use the Autocomplete control to quickly search for related data Create a Summary view to consolidate and group information Display related data on your views with the Related Items control Package your web app for use by others in your organization Plus—download chapters on building desktop databases For Intermediate and Advanced Users and Database Designers

In the last few years, security has become a hot-button issue for IT organizations of all sizes. Accordingly, many of the security features that were either optional or suspect in Windows 2000 have become solid, effective fixtures in Windows Server 2003-making it the most secure operating system Microsoft has ever produced. That is, if you know how to configure it properly. The Windows Server 2003 Security Cookbook wants to make sure that you do know how. Picking up right where its predecessor, the Windows Server Cookbook, left off, this desktop companion is focused solely on Windows Server security. It teaches you how to perform important security tasks in the Windows Server 2003 OS using specific and adaptable recipes. Each recipe features a brief description of the problem, a step-by-step solution, and then a discussion of the technology at work. Whenever possible, the authors even tell you where to look for further information on a recipe. The book is written in a highly modular format, with each chapter devoted to one

or more technologies that Windows Server 2003 provides. This approach allows you to look up a task or scenario that you want to accomplish, find that page, and read that particular recipe only. Topics include: System preparation and administration Protecting the computer at the TCP/IP level Applying security options to Active Directory Improving security on domain controllers Securing DHCP controllers Encrypting and signing network traffic using IPSec Patch management If you're an intermediate or advanced system administrator who wants to feel secure when deploying Windows Server 2003 and its related services, then you don't want to be without the Windows Server 2003 Security Cookbook.

A guide to SQL covers such topics as retrieving records, metadata queries, working with strings, data arithmetic, date manipulation, reporting and warehousing, and hierarchical queries.

Over 60 recipes to install, configure, and manage your IIS 10.0 About This Book Provide a secure, easy-to-manage extensible platform for hosting your websites Leverage IIS 10.0 in order to deploy web site in seconds Integrate Windows and Nano Server 2016 and automate it with PowerShell Recipes to Manage and monitor your IIS 10.0 Who This Book Is For If you are an administrator or web developer with a basic (or no) knowledge of Microsoft IIS and want to set up your own web server, then this is the book for you. What You Will Learn Integrate IIS 10.0 on Windows server 2016 Host multiple websites

and Wildcard Host on IIS 10.0 Deploy and administrate IIS 10.0 on Nano Server. IIS administration with Powershell. Manage and troubleshoot IIS 10.0 In Detail This book will start with customizing your IIS 10 to various platforms/OS and tune it according to your business requirements. Moving on, we will focus on the functionalities of core fundamentals and perform practical scenarios in order to maximize the use of a reliable web server. Going further we will be covering topics like IIS 10 architecture, IIS modules, hosting web server platforms, virtual directories along with web site deployment, ports, enhanced security. We will also cover new features of IIS 10 like integration with Windows Server 2016 and Nano Server, HTTP/2, PowerShell 5 cmdlets etc . Towards the end, we will cover troubleshooting & diagnostic techniques of IIS 10. By the end of this book you will be well versed with maximizing the reliability of your webserver and will have immense knowledge in using IIS 10 effectively Style and approach A set of exciting recipes on using Microsoft IIS 10.0 effectively..

Windows Server 2016 Cookbook

Solutions and Examples for Building Distributed Applications

Core infrastructure, IIS, Remote Desktop Services, Monitoring, and Group Policy

Solutions for VB 2005 Programmers

Workflow Automation Made Easy

Master the fundamentals of C# 3.0

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This guide is strikingly different from other books on Microsoft ADO.NET. Rather than load you down with theory, the new edition of ADO.NET 3.5 Cookbook gives you more than 200 coding solutions and best practices for real problems you're likely to face with this technology using Visual Studio 2008 and the .NET 3.5 platform. Organized to help you find the topic and specific recipe you need quickly and easily, this book is more than just a handy compilation of cut-and-paste C# code. ADO.NET 3.5 Cookbook also offers clear explanations of how and why each code solution works, and warns you of potential pitfalls so you can learn to adapt the book's problem-solving techniques to different situations. This collection of timesaving recipes covers vital topics including: Connecting to data Retrieving and managing data Transforming and analyzing data Modifying data Binding data to .NET user interfaces Optimizing .NET data access Enumerating and maintaining database objects Maintaining database integrity Ideal for ADO.NET programmers at all levels, from the relatively inexperienced to the most sophisticated, this new edition covers the significant 3.5 upgrade, including new programming tools such as LINQ. ADO.NET 3.5 Cookbook offers a painless way for those of you who prefer to learn by doing when it comes to expanding your skills and productivity.

With over 100 practical recipes that offer extensive coverage of Microsoft Office 365, learn how to enhance collaboration, implement robotic process automation, and develop business intelligence for your organization Key Features Gain a complete overview of popular Office 365 services using practical recipes and expert insights Collaborate with your team effectively using SharePoint Online and MS Teams Create low-code solutions such as bots, forms, dashboards, and workflows using the Power Platform Book Description Microsoft Office 365 provides tools for managing organizational tasks like content management, communication,

report creation, and business automation processes. With this book, you'll get to grips with popular apps from Microsoft, enabling workspace collaboration and productivity using Microsoft SharePoint Online, Teams, and the Power Platform. In addition to guiding you through the implementation of Microsoft 365 apps, this practical guide helps you to learn from a Microsoft consultant's extensive experience of working with the Microsoft business suite. This cookbook covers recipes for implementing SharePoint Online for various content management tasks. You'll learn how to create sites for your organization and enhance collaboration across the business and then see how you can boost productivity with apps such as Microsoft Teams, Power Platform, Planner, Delve, and M365 Groups. You'll find out how to use the Power Platform to make the most of Power Apps, Power Automate, Power BI, and Power Virtual Agents. Finally, the book focuses on the SharePoint framework, which helps you to build custom Teams and SharePoint solutions. By the end of the book, you will be ready to use Microsoft 365 and SharePoint Online to enhance business productivity using a broad set of tools. What you will learn

- Get to grips with a wide range of apps and cloud services in Microsoft 365
- Discover how to use SharePoint Online to create and manage content Store and share documents using SharePoint Online
- Improve your search experience with Microsoft Search
- Leverage the Power Platform to build business solutions with Power Automate, Power Apps, Power BI, and Power Virtual Agents
- Enhance native capabilities in SharePoint and Teams using the SPFx framework
- Use Microsoft Teams to collaborate with colleagues or external users

Who this book is for This book is for business professionals, IT administrators, enterprise developers and architects, and anyone who wants to get to grips with using MS 365 for the effective implementation of Microsoft apps. Prior experience with Office 365 and

SharePoint will assist with understanding the recipes effortlessly, but is not required. Learn to use PowerShell, Microsoft's scripting language, to automate real-world tasks that IT professionals and system administrators deal with every day. Save Time. Automate. PowerShell® is both a scripting language and an administrative shell that lets you control and automate nearly every aspect of IT. In PowerShell for Sysadmins, five-time Microsoft® MVP "Adam the Automator" Bertram shows you how to use PowerShell to manage and automate your desktop and server environments so that you can head out for an early lunch. You'll learn how to:

- Combine commands, control flow, handle errors, write scripts, run scripts remotely, and test scripts with the PowerShell testing framework, Pester
- Parse structured data like XML and JSON, work with common domains (like Active Directory, Azure, and Amazon Web Services), and create a real-world server inventory script
- Design and build a PowerShell module to demonstrate PowerShell isn't just about ad-hoc scripts
- Use PowerShell to create a hands-off, completely automated Windows deployment
- Build an entire Active Directory forest from nothing but a Hyper-V host and a few ISO files
- Create endless Web and SQL servers with just a few lines of code!

Real-world examples throughout help bridge the gap between theory and actual system, and the author's anecdotes keep things lively. Stop with the expensive software and fancy consultants. Learn how to manage your own environment with PowerShell for Sysadmins and make everyone happy. Covers Windows PowerShell v5.1

When you need practical hands-on support for Active Directory, the updated edition of this extremely popular Cookbook provides quick solutions to more than 300 common (and uncommon) problems you might encounter when deploying, administering, and automating Microsoft's network directory service. For the third edition, Active Directory expert Laura E.

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Hunter offers troubleshooting recipes based on valuable input from Windows administrators, in addition to her own experience. You'll find solutions for the Lightweight Directory Access Protocol (LDAP), ADAM (Active Directory Application Mode), multi-master replication, Domain Name System (DNS), Group Policy, the Active Directory Schema, and many other features. The Active Directory Cookbook will help you:

- Perform Active Directory tasks from the command line
- Use scripting technologies to automate Active Directory tasks
- Manage new Active Directory features, such as Read-Only Domain Controllers, fine-grained password policies, and more
- Create domains and trusts
- Locate users whose passwords are about to expire
- Apply a security filter to group policy objects
- Check for potential replication problems
- Restrict hosts from performing LDAP queries
- View DNS server performance statistics

Each recipe includes a discussion explaining how and why the solution works, so you can adapt the problem-solving techniques to similar situations. Active Directory Cookbook is ideal for any IT professional using Windows Server 2008, Exchange 2007, and Identity Lifecycle Manager 2007, including Active Directory administrators looking to automate task-based solutions. "It is rare for me to visit a customer site and not see a copy of Active Directory Cookbook on a shelf somewhere, which is a testament to its usefulness. The Cookbook takes the pain out of everyday AD tasks by providing concise, clear and relevant recipes. The fact that the recipes are provided using different methods (graphical user interface, command line and scripting) means that the book is suitable for anyone working with AD on a day-to-day basis. The introduction of PowerShell examples in this latest edition will be of particular interest for those looking to transition from VBScript. Laura has also done a great job in extending the Cookbook in this edition to encompass the broad range of changes to AD in Windows Server 2008."

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--Tony Murray, Founder of Activedir.org and Directory Services MVP "If you already understand Active Directory fundamentals and are looking for a quick solution to common Active Directory related tasks, look no further, you have found the book that you need." --Joe Richards, Directory Services MVP "The Active Directory Cookbook is the real deal... a soup-to-nuts catalog of every administrative task an Active Directory administrator needs to perform. If you administer an Active Directory installation, this is the very first book you have to put on your shelf." --Gil Kirkpatrick, Chief Architect, Active Directory and Identity Management, Quest Software and Directory Services MVP

This book contains more than 65 recipes that will equip you with what you need to know to work with Windows 2016 Server. This book will help you learn how to administrate your Windows Server for optimal performance. Key Features A focussed guide to help you with the core functionalities of Windows Server 2016 Explore tasks that will help you build a datacenter from scratch using Windows Server 2016 Step-by-step instructions for common Windows Server administration duties Book Description Windows Server 2016 is an operating system designed to run on servers. It supports enterprise-level data storage, communications, management, and applications. This book contains specially selected, detailed help on core, essential administrative tasks of Windows Server 2016. This book starts by helping you to navigate the interface of Windows Server 2016, and quickly shifts gears to implementing roles that are necessarily in any Microsoft-centric datacenter. This book will also help you leverage the web services platform built into Windows Server 2016, available to anyone who runs this latest and greatest Server operating system. Further, you will also learn to compose optimal Group Policies and monitor system performance and IP address management. This book will

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be a handy quick-reference guide for any Windows Server administrator, providing easy to read, step-by-step instructions for many common administrative tasks that will be part of any Server Administrator's job description as they administer their Windows Server 2016 powered servers. The material in the book has been selected from the content of Packt's Windows Server 2016 Cookbook by Jordan Krause to provide a specific focus on key Windows Server administration tasks. What you will learn Become skilled in the navigation of Windows Server 2016, and explore the technologies and options that it provides Build the infrastructure required for a successful Windows Server network Move away from those open-source web server platforms and start migrating your websites to Server 2016's Internet Information Services today Provide a centralized point for users to access applications and data by configuring Remote Desktop Services Compose optimal Group Policies Who this book is for This book is for system administrators or IT professionals who want the skills to manage and maintain the core infrastructure of a Windows Server 2016 environment. Prior experience in Windows Server 2012 R2 environments will be helpful.

Access 2003 Personal Trainer

Active Directory

Exchange Server Cookbook

For Exchange Server 2003 and Exchange 2000 Server

Clojure Cookbook

Docker Cookbook

Saute your way through more than 100 hands-on recipes designed to prepare any server administrator to work with Windows Server 2016 About This Book Get the first book on the

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market to unleash the power of Windows Server 2016, which improves the lives of thousands of enterprise users. Be the first to leverage the advent of Containers and Nano Server on Windows Server 2016, which utilizes the resources efficiently and increases productivity. This practical, recipe-based approach helps you to delivering global-scale cloud services into your infrastructure using Windows Server 2016. Who This Book Is For This book is for system administrators and IT professionals with experience in Windows Server 2012 R2 environments who are looking to acquire the skills and knowledge necessary to manage and maintain the core infrastructure required for a Windows Server 2016 environment. What You Will Learn Build the infrastructure required for a successful Windows network. Navigate the new Server 2016 interface efficiently. Implement solid networking and security practices into your Windows Server environment. Design your own PKI and start issuing certificates today. Explore the brand-new Nano Server functionality. Enable nested virtualization on Hyper-V and Server Connect your remote laptops back to the corporate network using Microsoft's own remote access technologies, including DirectAccess. Provide a centralized point for users to access applications and data by configuring Remote Desktop Services. Compose optimal Group Policies. Facilitate task automation with PowerShell 5.0 scripting. In Detail This hands-on Cookbook is stuffed full of practical recipes that will help you handle the essential administrative tasks in Windows Server 2016. You'll start by familiarizing yourself with the look and feel of Windows Server 2016, and will then learn how to navigate through some daily tasks using the graphical interface. You will see how to compose optimal Group Policies and facilitate task automation with PowerShell 5.0 scripting. We will also take a look at the functions available to provide remote network access to your traveling users,

and explore the much anticipated Nano Server and Hyper-V built-in integration support that is brand new in Windows Server 2016. By the end of this book, you will know how to take your Windows Server 2016-powered server and turn it into any common infrastructure role that might be required in your company. Style and approach The book follows a recipe-based approach that starts with an introduction and the installation of Windows Server 2016, then dives into the powerful features, and then ends with the concept of security. Java programmers know how finicky Java can be to work with. An omitted semi-colon or the slightest typo will cause the Java command-line compiler to spew pages of annoying error messages across your screen. And it doesn't fix them--that's up to you: fix them, compile again, and hope that nothing goes wrong this time. Eclipse, the popular Java integrated development environment (IDE) provides an elegant and powerful remedy for this common, frustrating scenario. It doesn't just catch your errors before you compile, it also suggests solutions. All you need to do is point and click. And it's free--what could be better? Still, if you're like most programmers, mastering a new technology--no matter how productive it will make you in the long run--is going to take a chunk out of your productivity now. You want to get up to speed quickly without sacrificing efficiency. O'Reilly's new guide to the technology, Eclipse, provides exactly what you're looking for: a fast-track approach to mastery of Eclipse. This insightful, hands-on book delivers clear and concise coverage, with no fluff, that gets down to business immediately. The book is tightly focused, covering all aspects of Eclipse: the menus, preferences, views, perspectives, editors, team and debugging techniques, and how they're used every day by thousands of developers. Development of practical skills is emphasized with dozens of examples presented

throughout the book. From cover-to-cover, the book is pure Eclipse, covering hundreds of techniques beginning with the most basic Java development through creating your own plug-in editors for the Eclipse environment. Some of the topics you'll learn about include: Using Eclipse to develop Java code Testing and debugging Working in teams using CVS Building Eclipse projects using Ant The Standard Widget Toolkit (SWT) Web development Developing Struts applications with Eclipse From basics to advanced topics, Eclipse takes you through the fundamentals of Eclipse and more. You may be an Eclipse novice when you pick up the book, but you'll be a pro by the time you've finished.

Provides information on Web site development using ASP.NET 2.0.

Each year, Windows XP is pre-installed on 30 million PCs sold in the U.S.--and 90 million worldwide--making it the world's most popular operating system, and proving to frustrated users everywhere that preponderance does not equate to ease of use. There are literally thousands of programs, tools, commands, screens, scripts, buttons, tabs, applets, menus, and settings contained within Windows XP. And it has only been in the last couple of years that Microsoft's documentation has actually been more of a help than a hindrance. But it still isn't enough. Windows XP users and administrators need a quick and easy way to find answers. Plenty of books go into detail about the theory behind a particular technology or application, but few go straight to the essentials for getting the job done. Windows XP Cookbook does just that, tackling the most common tasks needed to install, manage, and support Windows XP. Featuring a new twist to O'Reilly's proven Cookbook formula, this problem-solving guide offers multiple solutions for each of its 300-plus recipes. Solve dilemmas with the graphical user interface, the command line, through the Registry, or by

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using scripts. Each step-by-step recipe includes a discussion that explains how and why it works. The book is also among the first to cover Microsoft's XP Service Pack 2. With these practical, on-the-job solutions, Windows XP Cookbook will save you hours of time searching for answers. Windows XP Cookbook will be useful to anyone that has to use, deploy, administer, or automate Windows XP. But this isn't a typical end-user book; it covers the spectrum of topics involved with running Windows XP in both small and large environments. As a result, IT professionals and system administrators will find it a great day-to-day reference. And power users will find Windows XP Cookbook a great source for information on tweaking XP and getting the most out of their systems. The bottom line is that Windows XP Cookbook will make just about anyone who uses XP more productive.

This book will help you solve more than 300 of the most common and not-so-common tasks that working Visual Basic 2005 programmers face every day. If you're a seasoned .NET developer, beginning Visual Basic programmer, or a developer seeking a simple and clear migration path from VB6 to Visual Basic 2005, the Visual Basic 2005 Cookbook delivers a practical collection of problem-solving recipes for a broad range of Visual Basic programming tasks. The concise solutions and examples in the Visual Basic 2005 Cookbook range from simple tasks to the more complex, organized by the types of problems you need to solve. Nearly every recipe contains a complete, documented code sample showing you how to solve the specific problem, as well as a discussion of how the underlying technology works and that outlines alternatives, limitations, and other considerations. As with all O'Reilly Cookbooks, each recipe helps you quickly understand a problem, learn how to solve it, and anticipate potential tradeoffs or ramifications. Useful features of the book include:

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Over 300 recipes written in the familiar O'Reilly Problem-Solution-Discussion format  
Hundreds of code snippets, examples, and complete solutions available for download  
VB6 updates to alert VB6 programmers to code-breaking changes in Visual Basic 2005  
Recipes that target Visual Basic 2005 features not included in previous releases  
Code examples covering everyday data manipulation techniques and language fundamentals  
Advanced projects focusing on multimedia and mathematical transformations using linear algebraic methods  
Specialized topics covering files and file systems, printing, and databases  
In addition, you'll find chapters on cryptography and compression, graphics, and special programming techniques. Whether you're a beginner or an expert, the Visual Basic 2005 Cookbook is sure to save you time, serving up the code you need, when you need it.

Solutions and Examples for Bash Users

Ansible: Up and Running

Building Data-Centric .NET Applications

Windows Presentation Foundation 4.5 Cookbook

Microsoft Access 2013 Inside Out

Recipes for Functional Programming

If you're new to C#, this popular book is the ideal way to get started. Completely revised for the latest version of the language, *Learning C# 3.0* starts with the fundamentals and takes you through intermediate and advanced C# features -- including generics, interfaces, delegates, lambda expressions, and LINQ.

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You'll also learn how to build Windows applications and handle data with C#. No previous programming experience is required -- in fact, if you've never written a line of code in your life, bestselling authors Jesse Liberty and Brian MacDonald will show you how it's done. Each chapter offers a self-contained lesson to help you master key concepts, with plenty of annotated examples, illustrations, and a concise summary. With this book, you will:

- Learn how to program as you learn C#
- Grasp the principles of object-oriented programming through C#
- Discover how to use the latest features in C# 3.0 and the .NET 3.5 Framework--including LINQ and the Windows Presentation Foundation (WPF)
- Create Windows applications and data-driven applications

You'll also find a unique Test Your Knowledge section in each chapter, with practical exercises and review quizzes, so you can practice new skills and test your understanding. If you're ready to dive into C# and .NET programming, this book is a great way to quickly get up to speed.

The key to mastering any Unix system, especially Linux and Mac OS X, is a thorough knowledge of shell scripting. Scripting is a

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way to harness and customize the power of any Unix system, and it's an essential skill for any Unix users, including system administrators and professional OS X developers. But beneath this simple promise lies a treacherous ocean of variations in Unix commands and standards. *bash Cookbook* teaches shell scripting the way Unix masters practice the craft. It presents a variety of recipes and tricks for all levels of shell programmers so that anyone can become a proficient user of the most common Unix shell -- the bash shell -- and cygwin or other popular Unix emulation packages. Packed full of useful scripts, along with examples that explain how to create better scripts, this new cookbook gives professionals and power users everything they need to automate routine tasks and enable them to truly manage their systems -- rather than have their systems manage them.

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.

With more than 250 ready-to-use recipes, this solutions-oriented

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introduction to the Windows PowerShell scripting environment and language provides administrators with the tools to be productive immediately.

Provides instruction on building Android apps, including solutions to working with web services, multitouch gestures, location awareness, and device features.

Android Cookbook

Solutions for Administrators & Developers

How to Fix the Most Annoying Things about Your Personal Computer

PC Annoyances

Learning C# 3.0

SQL Cookbook

**"Portable help for PowerShell scripters"--Cover.**

**Get more out of Microsoft Power BI turning your data into actionable insights**About This Book\* From connecting to your data sources to developing and deploying immersive, mobile-ready dashboards and visualizations, this book covers it all\* Over 90 hands-on, technical recipes, tips, and use cases from across the Power BI platform including the Power BI Service and Mobile Applications\* Proven development techniques and guidance for implementing custom solutions with DAX and M languagesWho This Book Is ForThis book is for BI professionals

**who wish to enhance their knowledge of Power BI beyond and to enhance the value of the Power BI solutions they deliver to business users. Those who are looking at quick solutions to common problems while using Power BI will also find this book to be a very useful resource .Some experience with Power BI will be useful.What You Will Learn\* Cleanse, stage, and integrate your data sources with Power BI\* Abstract data complexities and provide users with intuitive, self-service BI capabilities\* Build business logic and analysis into your solutions via the DAX programming language and dynamic, dashboard-ready calculations\* Take advantage of the analytics and predictive capabilities of Power BI\* Make your solutions more dynamic and user specific and/or defined including use cases of parameters, functions, and row level security\* Understand the differences and implications of DirectQuery, Live Connections, and Import-Mode Power BI datasets and how to deploy content to the Power BI Service and schedule refreshes\* Integrate other Microsoft data tools such as Excel and SQL Server Reporting Services into your Power BI solution**

**In Detail**Microsoft Power BI is a business intelligence and analytics platform consisting of applications and services designed to provide coherent, visual and interactive insights of data.This book will provide thorough, technical examples of using all primary Power BI tools and features as well as demonstrate high impact end-to-end solutions that leverage and integrate these technologies and services. Get familiar

**with Power BI development tools and services, go deep into the data connectivity and transformation, modeling, visualization and analytical capabilities of Power BI, and see Power BI's functional programming languages of DAX and M come alive to deliver powerful solutions to address common, challenging scenarios in business intelligence. This book will excite and empower you to get more out of Power BI via detailed recipes, advanced design and development tips, and guidance on enhancing existing Power BI projects. Style and approach This book consists of practical recipes on Power BI that target novices as well as intermediate Power BI users. It goes deep into the technical issues, covers additional protocols, and many more real-live examples. Over 100 advanced recipes to effectively and efficiently develop rich client applications on the Windows platform. Not a reference book, and not a tutorial either, the new second edition of the highly regarded Access Cookbook is an uncommonly useful collection of solutions to problems that Access users and developers are likely to face as they attempt to build increasingly complex applications. Although using any single "recipe" in the book will more than pay back the cost of the book in terms of both hours saved and frustration thwarted, Access Cookbook, Second Edition is much more than a handy assortment of cut-and-paste code. Each of the "recipes" examine a particular problem--problems that commonly occur when you push the upper limits**

**of Access, or ones that are likely to trip up a developer attempting to design a more elegant Access application--even some things you never knew Access could do. The authors then, in a clear, accessible, step-by-step style, present the problems' solution. Following each "recipe" are insights on how Access works, potential pitfalls, interesting programming techniques that are used in the solution, and how and why the solution works, so you can adapt the problem-solving techniques to other similar situations. Fully updated for Access 2003, Access Cookbook, Second Edition is also one of the first books to thoroughly explore new support for .NET managed code and XML. All of the practical, real-world examples have been tested for compatibility with Access 2003, Windows XP, and Windows Server 2003. This updated new edition also covers Access and SharePoint, Access and SmartTags, Access and .NET; and Access and XML. Access power users and programmers at all levels, from the relatively inexperienced to the most sophisticated, will rely on the Access Cookbook for quick solutions to gnarly problems. With a dog-eared copy of Access Cookbook at your side, you can spend your time and energy where it matters most: working on the interesting facets of your Access application, not just the time-consuming ones.**

**Provides information on the features, functions, and implementation of Active Directory.**

**Slicing and Dicing to Find the Results You Need**

**Access Data Analysis Cookbook**

**Raspberry Pi Cookbook**

**Solutions to Common User Interface & Programming Problems**

**Windows Server 2016 Automation with PowerShell Cookbook**

**Visual Basic 2005 Cookbook**

*Perform fast interactive analytics against different data sources using the Trino high-performance distributed SQL query engine. With this practical guide, you'll learn how to conduct analytics on data where it lives, whether it's Hive, Cassandra, a relational database, or a proprietary data store.*

*Analysts, software engineers, and production engineers will learn how to manage, use, and even develop with Trino. Initially developed by Facebook, open source Trino is now used by Netflix, Airbnb, LinkedIn, Twitter, Uber, and many other companies. Matt Fuller, Manfred Moser, and Martin Traverso show you how a single Trino query can combine data from multiple sources to allow for analytics across your entire organization. Get started: Explore Trino's use cases and learn about tools that will help you connect to Trino and query data Go deeper: Learn Trino's internal workings, including how to connect to and query data sources with support for SQL statements, operators, functions, and more Put Trino in production: Secure Trino, monitor workloads, tune queries, and connect more applications; learn how*

***other organizations apply Trino***

***Windows Server Cookbook For Windows Server 2003 & Windows 2000" O'Reilly Media, Inc."***

***If you have large quantities of data in a Microsoft Access database, and need to study that data in depth, this book is a data cruncher's dream.***

***Access Data Analysis Cookbook offers practical recipes to solve a variety of common problems that users have with extracting Access data and performing calculations on it. Each recipe includes a discussion on how and why the solution works. Whether you use Access 2007 or an earlier version, this book will teach you new methods to query data, different ways to move data in and out of Access, how to calculate answers to financial and investment issues, and more. Learn how to apply statistics to summarize business information, how to jump beyond SQL by manipulating data with VBA, how to process dates and times, and even how to reach into the Excel data analysis toolkit. Recipes demonstrate ways to: Develop basic and sophisticated queries Apply aggregate functions, custom functions, regular expressions, and crosstabs Apply queries to perform non-passive activities such as inserting, updating, and deleting data Create and manipulate tables and queries programmatically Manage text-based data, including methods to isolate parts of a string and ways to work with numbers that are stored as***

*text Use arrays, read and write to the Windows registry, encrypt data, and use transaction processing Use the FileSystemObject, use XML with XSLT, communicate with SQL Server, and exchange data with other Office products Find answers from time-based data, such as how to add time, count elapsed time, work with leap years, and how to manage time zones in your calculations Deal with business and finance problems, including methods for calculating depreciation, loan paybacks, and Return on Investment (ROI) Explore statistical techniques, such as frequency, variance, kurtosis, linear regression, combinations and permutations Access Data Analysis Cookbook is a one-stop-shop for extracting nuggets of valuable information from your database, and anyone with Access experience will benefit from these tips and techniques, including seasoned developers. If you want to use your data, and not just store it, you'll find this guide indispensable.*

*Among the many configuration management tools available, Ansible has some distinct advantages—it's minimal in nature, you don't need to install anything on your nodes, and it has an easy learning curve. This practical guide shows you how to be productive with this tool quickly, whether you're a developer deploying code to production or a system administrator looking for a better automation solution. Author Lorin Hochstein shows you how to*

***write playbooks (Ansible's configuration management scripts), manage remote servers, and explore the tool's real power: built-in declarative modules. You'll discover that Ansible has the functionality you need and the simplicity you desire. Understand how Ansible differs from other configuration management systems Use the YAML file format to write your own playbooks Learn Ansible's support for variables and facts Work with a complete example to deploy a non-trivial application Use roles to simplify and reuse playbooks Make playbooks run faster with ssh multiplexing, pipelining, and parallelism Deploy applications to Amazon EC2 and other cloud platforms Use Ansible to create Docker images and deploy Docker containers***

***Take the guesswork out of deploying, administering, and automating Active Directory. With hundreds of proven recipes, the updated edition of this popular cookbook provides quick, step-by-step solutions to common (and not so common) problems you might encounter when working with Microsoft's network directory service. This fourth edition includes troubleshooting recipes for Windows Server 2012, Windows 8, and Exchange 2013, based on valuable input from Windows administrators. You'll also find quick solutions for the Lightweight Directory Access Protocol (LDAP), Active Directory Lightweight Directory Services (AD LDS), multi-master***

***replication, DNS, Group Policy, and many other features. Manage new AD features, such as the Recycle Bin, Group Managed Service Accounts, and fine-grained password policies Work with AD from the command line and use Windows PowerShell to automate tasks Remove and create forests, domains, and trusts Create groups, modify group scope and type, and manage membership Delegate control, view and modify permissions, and handle Kerberos tickets Import and export data with LDAP Data Interchange Format (LDIF) Synchronize multiple directories and enforce data integrity within a single or multiple stores Back up AD, and perform authoritative and non-authoritative restores***

***Microsoft 365 and SharePoint Online Cookbook***

***Windows Server Cookbook***

***ASP.NET Cookbook***

***Python Cookbook***

***Automating Configuration Management and Deployment the Easy Way***

***Microsoft Power BI Cookbook***

**Learn how to design, plan, implement, and support a secure remote access solution using DirectAccess in Windows Server 2016. Remote Access has been included in the Windows operating system for many years. With each new operating system release, new features and capabilities have been included to allow network engineers and security administrators to provide**

**remote access in a secure and cost-effective manner. DirectAccess in Windows Server 2016 provides seamless and transparent, always on remote network connectivity for managed Windows devices. DirectAccess is built on commonly deployed Windows platform technologies and is designed to streamline and simplify the remote access experience for end users. In addition, DirectAccess connectivity is bidirectional, allowing administrators to more effectively manage and secure their field-based assets. Implementing DirectAccess with Windows Server 2016 provides a high-level overview of how DirectAccess works. The vision and evolution of DirectAccess are outlined and business cases and market drivers are explained. DirectAccess is evaluated against traditional VPN and this book describes the Windows platform technologies that underpin this solution. In addition, this book:**

- Explains how the technology works and the specific IT pain points that it addresses**
- Includes detailed, prescriptive guidance for those tasked with implementing DirectAccess using Windows Server 2016**
- Addresses real-world deployment scenarios for small and large organizations**
- Contains valuable tips, tricks, and implementation best practices for security and performance**

**What you'll learn**

- A high-level understanding of the various remote access technologies included in Windows Server 2016.**
- Common use cases for remote access, and how best to deploy them in a secure, stable, reliable, and highly available manner.**
- Valuable insight into design best practices and learn how to implement DirectAccess and VPN with Windows Server 2016 according to deployment best practices.**

**Who This Book Is For**

**IT administrators, network, and security administrators and engineers, systems management professionals, compliance auditors, and IT executive management (CIO, CISO) are the target audience for this title.**

**Windows PowerShell Cookbook**

**Bash Cookbook**

**Programming Java Applications**

**Windows Server 2003 Security Cookbook**

**Active Directory Cookbook**

**Trino: The Definitive Guide**