

# SQL Hacks Tips Tools For Digging Into Your Data

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Oracle SQL Developer 2.1 - Sue Harper 2009-12-16

Design and Develop Databases using Oracle SQL Developer and its feature-rich, powerful user-extensible interface with this book and eBook.

**Android Hacker's Handbook** - Joshua J. Drake 2014-03-26

The first comprehensive guide to discovering and preventing attacks on the Android OS As the Android operating system continues to increase its share of the smartphone market, smartphone hacking remains a growing threat. Written by experts who rank among the world's foremost Android security researchers, this book presents vulnerability discovery, analysis, and exploitation tools for the good guys. Following a detailed explanation of how the Android OS works and its overall security architecture, the authors examine how vulnerabilities can be discovered and exploits developed for various system components, preparing you to defend against them. If you are a mobile device administrator, security researcher, Android app developer, or consultant responsible for evaluating Android security, you will find this guide is essential to your toolbox. A crack team of leading Android security researchers explain Android security risks, security design and architecture, rooting, fuzz testing, and vulnerability analysis Covers Android application building blocks and security as well as debugging and auditing Android apps Prepares mobile device administrators, security researchers, Android app developers, and security consultants to defend Android systems against attack Android Hacker's Handbook is the first comprehensive resource for IT professionals charged with smartphone security.

**Inside the SQL Server Query Optimizer** - Benjamin Nevarez 2011-03

The SQL Server Query Optimizer is perceived by many to be a magic black box, transforming SQL queries into high performance execution plans in the blink of an eye through some unknowable process. The truth is that, while the Query Optimizer is indeed the highly-complex result of decades of research, learning how it works its magic is not only possible, but immensely useful to DBAs and Developers alike. A better understanding of what the Query Optimizer does behind the scenes can help you to improve the performance of your databases and applications, and this book explains the core concepts behind how the SQL Server Query Optimizer works. With this knowledge, you'll be able to write superior queries, provide the Query Optimizer with all the information it needs to produce efficient execution plans, and troubleshoot the cases when the Query Optimizer is not giving you the best plan possible. With over 15 years of experience in the use of Relational Databases (including SQL Server since version 6.5), Benjamin has watched the SQL Server Query Optimizer grow and evolve. His insight will leave you with an excellent foundation in the practicalities of the Query Optimizer, and everything you need to know to start tuning your queries to perfection.

**Modern PHP** - Josh Lockhart 2015-02-16

PHP is experiencing a renaissance, though it may be difficult to tell with all of the outdated PHP tutorials online. With this practical guide, you'll learn how PHP has become a full-featured, mature language with object-orientation, namespaces, and a growing collection of reusable component libraries. Author Josh Lockhart—creator of PHP The Right Way, a popular initiative to encourage PHP best practices—reveals these new language features in action. You'll learn best practices for application architecture and planning,

databases, security, testing, debugging, and deployment. If you have a basic understanding of PHP and want to bolster your skills, this is your book. Learn modern PHP features, such as namespaces, traits, generators, and closures Discover how to find, use, and create PHP components Follow best practices for application security, working with databases, errors and exceptions, and more Learn tools and techniques for deploying, tuning, testing, and profiling your PHP applications Explore Facebook's HVVM and Hack language implementations—and how they affect modern PHP Build a local development environment that closely matches your production server

**A Curious Moon** - Rob Conery 2020-12-13

Starting an application is simple enough, whether you use migrations, a model-synchronizer or good old-fashioned hand-rolled SQL. A year from now, however, when your app has grown and you're trying to measure what's happened... the story can quickly change when data is overwhelming you and you need to make sense of what's been accumulating. Learning how PostgreSQL works is just one aspect of working with data. PostgreSQL is there to enable, enhance and extend what you do as a developer/DBA. And just like any tool in your toolbox, it can help you create crap, slice off some fingers, or help you be the superstar that you are. That's the perspective of A Curious Moon - data is the truth, data is your friend, data is your business. The tools you use (namely PostgreSQL) are simply there to safeguard your treasure and help you understand what it's telling you. But what does it mean to be "data-minded"? How do you even get started? These are good questions and ones I struggled with when outlining this book. I quickly realized that the only way you could truly understand the power and necessity of solid database design was to live the life of a new DBA... thrown into the fire like we all were at some point... Meet Dee Yan, our fictional intern at Red:4 Aerospace. She's just been handed the keys to a massive set of data, straight from Saturn, and she has to load it up, evaluate it and then analyze it for a critical project. She knows that PostgreSQL exists... but that's about it. Much more than a tutorial, this book has a narrative element to it a bit like The Martian, where you get to know Dee and the problems she faces as a new developer/DBA... and how she solves them. The truth is in the data...

*Practical SQL, 2nd Edition* - Anthony DeBarros 2022-01-25

Analyze data like a pro, even if you're a beginner. Practical SQL is an approachable and fast-paced guide to SQL (Structured Query Language), the standard programming language for defining, organizing, and exploring data in relational databases. Anthony DeBarros, a journalist and data analyst, focuses on using SQL to find the story within your data. The examples and code use the open-source database PostgreSQL and its companion pgAdmin interface, and the concepts you learn will apply to most database management systems, including MySQL, Oracle, SQLite, and others.\* You'll first cover the fundamentals of databases and the SQL language, then build skills by analyzing data from real-world datasets such as US Census demographics, New York City taxi rides, and earthquakes from US Geological Survey. Each chapter includes exercises and examples that teach even those who have never programmed before all the tools necessary to build powerful databases and access information quickly and efficiently. You'll learn how to:

- Create databases and related tables using your own data
- Aggregate, sort, and filter data to find patterns
- Use functions for basic math and advanced statistical operations
- Identify errors in data and clean them up

• Analyze spatial data with a geographic information system (PostGIS) • Create advanced queries and automate tasks This updated second edition has been thoroughly revised to reflect the latest in SQL features, including additional advanced query techniques for wrangling data. This edition also has two new chapters: an expanded set of instructions on for setting up your system plus a chapter on using PostgreSQL with the popular JSON data interchange format. Learning SQL doesn't have to be dry and complicated. Practical SQL delivers clear examples with an easy-to-follow approach to teach you the tools you need to build and manage your own databases. \* Microsoft SQL Server employs a variant of the language called T-SQL, which is not covered by Practical SQL.

**MySQL High Availability** - Charles Bell 2014-04-10

Server bottlenecks and failures are a fact of life in any database deployment, but they don't have to bring everything to a halt. This practical book explains replication, cluster, and monitoring features that can help protect your MySQL system from outages, whether it's running on hardware, virtual machines, or in the cloud. Written by engineers who designed many of the tools covered, this book reveals undocumented or hard-to-find aspects of MySQL reliability and high availability—knowledge that's essential for any organization using this database system. This second edition describes extensive changes to MySQL tools. Versions up to 5.5 are covered, along with several 5.6 features. Learn replication fundamentals, including use of the binary log and MySQL Replicant Library Handle failing components through redundancy Scale out to manage read-load increases, and use data sharding to handle large databases and write-load increases Store and replicate data on individual nodes with MySQL Cluster Monitor database activity and performance, and major operating system parameters Keep track of masters and slaves, and deal with failures and restarts, corruption, and other incidents Examine tools including MySQL Enterprise Monitor, MySQL Utilities, and GTIDs

**Hacks, Leaks, and Revelations** - Micah Lee 2023-05-16

Uncover the hidden secrets in hacked or leaked datasets with the help of a world-renowned information security expert—and become the next researcher to break a historic investigative report. In the age of hacking and whistleblowing, the internet contains massive troves of leaked information containing goldmines of newsworthy revelations in the public interest—if you know how to unravel them. For investigative journalists or amateur researchers with or without prior programming knowledge, this book gives you the technical expertise to find and interrogate complex datasets, transforming unintelligible files into groundbreaking reports. Through hands-on assignments and examples that highlight real-world cases, information security expert and well-known investigative journalist Micah Lee guides you through the process of analyzing leaked datasets from governments, companies, and political groups. You'll dig into hacked files from the BlueLeaks dataset of law enforcement records, analyze social media traffic from those behind the 2021 insurrection at the US Capitol, hear the exclusive story of privately leaked data from the anti-vaccine group America's Frontline Doctors, and much more. You'll also learn the technical skills and Python programming basics needed for data science investigations, security concepts like disk encryption, how to work with data in JSON, CSV, and SQL formats, and tricks for using the command-line interface to explore datasets packed with secrets just waiting to be discovered.

**Head First SQL** - Lynn Beighley 2007-08-28

Presents an instructional guide to SQL which uses humor and simple images to cover such topics as the structure of relational databases, simple and complex queries, creating multiple tables, and protecting important table data.

**SQL Injection Attacks and Defense** - Justin Clarke 2012-06-18

What is SQL injection? -- Testing for SQL injection -- Reviewing code for SQL injection -- Exploiting SQL injection -- Blind SQL injection exploitation -- Exploiting the operating system -- Advanced topics -- Code-level defenses -- Platform level defenses -- Confirming and recovering from SQL injection attacks -- References.

**Automating Salesforce Marketing Cloud** - Greg Gifford 2022-04-18

Make the most of Salesforce Marketing Cloud through automation and increase your productivity on the platform without adding any extra resources Key Features Increase your knowledge of automation theory and the applications of SFMC Explore automation with SFMC and its capabilities beyond general

usage Understand the automation features and integrations of SFMC to use the platform from outside the user interface (UI) for maximum efficiency Book Description Salesforce Marketing Cloud (SFMC) allows you to use multiple channels and tools to create a 1:1 marketing experience for your customers and subscribers. Through automation and helper tasks, you can greatly increase your productivity while also reducing the level of effort required in terms of volume and frequency. Automating Salesforce Marketing Cloud starts by discussing what automation is generally and then progresses to what automation is in SFMC. After that, you'll focus on how to perform automation inside of SFMC all the way to fully running processes and capabilities from an external service. Later chapters explore the benefits and capabilities of automation and having an automation mindset both within and outside of SFMC. Equipped with this knowledge and example code, you'll be prepared to maximize your SFMC efficiency. By the end of this Salesforce book, you'll have the skills you need to build automation both inside and outside of SFMC, along with the knowledge for using the platform optimally. What you will learn Understand automation to make the most of the SFMC platform Optimize ETL activities, data import integrations, data segmentations, email sends, and more Explore different ways to use scripting and API calls to increase Automation Studio efficiency Identify opportunities for automation with custom integrations and third-party solutions Optimize usage of SFMC by building on the core concepts of custom integrations and third-party tools Maximize utilization of employee skills and capabilities and reduce operational costs while increasing output Who this book is for This book is for Salesforce Marketing Cloud users who want to know how to make their day to day lives more efficient and get the most out of the tool by working smarter, not harder. A solid understanding of SFMC and basic knowledge of what automation is will help you get the most out of this book.

**Practical SQL** - Anthony DeBarros 2018-05-01

Practical SQL is an approachable and fast-paced guide to SQL (Structured Query Language), the standard programming language for defining, organizing, and exploring data in relational databases. The book focuses on using SQL to find the story your data tells, with the popular open-source database PostgreSQL and the pgAdmin interface as its primary tools. You'll first cover the fundamentals of databases and the SQL language, then build skills by analyzing data from the U.S. Census and other federal and state government agencies. With exercises and real-world examples in each chapter, this book will teach even those who have never programmed before all the tools necessary to build powerful databases and access information quickly and efficiently. You'll learn how to: - Create databases and related tables using your own data - Define the right data types for your information - Aggregate, sort, and filter data to find patterns - Use basic math and advanced statistical functions - Identify errors in data and clean them up - Import and export data using delimited text files - Write queries for geographic information systems (GIS) - Create advanced queries and automate tasks Learning SQL doesn't have to be dry and complicated. Practical SQL delivers clear examples with an easy-to-follow approach to teach you the tools you need to build and manage your own databases. This book uses PostgreSQL, but the SQL syntax is applicable to many database applications, including Microsoft SQL Server and MySQL.

**Hacking For Dummies** - Kevin Beaver 2018-07-11

Stop hackers before they hack you! In order to outsmart a would-be hacker, you need to get into the hacker's mindset. And with this book, thinking like a bad guy has never been easier. In Hacking For Dummies, expert author Kevin Beaver shares his knowledge on penetration testing, vulnerability assessments, security best practices, and every aspect of ethical hacking that is essential in order to stop a hacker in their tracks. Whether you're worried about your laptop, smartphone, or desktop computer being compromised, this no-nonsense book helps you learn how to recognize the vulnerabilities in your systems so you can safeguard them more diligently—with confidence and ease. Get up to speed on Windows 10 hacks Learn about the latest mobile computing hacks Get free testing tools Find out about new system updates and improvements There's no such thing as being too safe—and this resourceful guide helps ensure you're protected.

**PC Magazine** - 2002-03-26

*Dr. Dobb's Journal* - 2004

*Big Book of Apple Hacks* - Chris Seibold 2008-04-17

Bigger in size, longer in length, broader in scope, and even more useful than our original Mac OS X Hacks, the new Big Book of Apple Hacks offers a grab bag of tips, tricks and hacks to get the most out of Mac OS X Leopard, as well as the new line of iPods, iPhone, and Apple TV. With 125 entirely new hacks presented in step-by-step fashion, this practical book is for serious Apple computer and gadget users who really want to take control of these systems. Many of the hacks take you under the hood and show you how to tweak system preferences, alter or add keyboard shortcuts, mount drives and devices, and generally do things with your operating system and gadgets that Apple doesn't expect you to do. The Big Book of Apple Hacks gives you: Hacks for both Mac OS X Leopard and Tiger, their related applications, and the hardware they run on or connect to Expanded tutorials and lots of background material, including informative sidebars "Quick Hacks" for tweaking system and gadget settings in minutes Full-blown hacks for adjusting Mac OS X applications such as Mail, Safari, iCal, Front Row, or the iLife suite Plenty of hacks and tips for the Mac mini, the MacBook laptops, and new Intel desktops Tricks for running Windows on the Mac, under emulation in Parallels or as a standalone OS with Bootcamp The Big Book of Apple Hacks is not only perfect for Mac fans and power users, but also for recent -- and aspiring -- "switchers" new to the Apple experience. Hacks are arranged by topic for quick and easy lookup, and each one stands on its own so you can jump around and tweak whatever system or gadget strikes your fancy. Pick up this book and take control of Mac OS X and your favorite Apple gadget today!

*The ASP.NET 2.0 Anthology* - Scott Allen 2007-09-18

An ASP.NET 2.0 book that just helps you get things done! This book contains a collection of 101 best practice, object oriented solutions that you can easily adapt to your own projects. Coverage includes: Working with text, numbers, dates & times Accessing data with ADO.NET Form validation under multiple scenerios Page, Session and application state tips Access control in web applications Producing standards compliant output Enhancing applications with AJAX Working with Email Handling errors and debugging Performance tips and pitfalls And much more! As a bonus, all book buyers get download access to the code archive which has all the examples in the book in both C# and VB. Back Cover "A comprehensive collection of ready-to-use ASP.NET solutions!" The ASP.NET 2.0 Anthology: 101 Essential Tips, Tricks & Hacks is a collection of solutions to the most common ASP.NET problems. Let five world-class ASP.NET professionals guide you through countless practical solutions using C# or VB. Learn to: Add interactivity with Ajax and JavaScript. Build a database access layer for improved portability. Sidestep the ASP.NET framework when required. Build data-driven applications quickly with SubSonic. Gracefull handle errors effectively. Work with email: send, parse, & manage attachments. Use component-based development for flexibility. Make your applications search engine friendly. Validate data input on forms. Create a user registration system. Use Master Pages to simplify development. Work with binary content. Improve the speed of your site, decrease bandwidth usage and speed up database queries And lots more...

*Dr. Dobb's Journal of Software Tools for the Professional Programmer* - 2003

**WordPress Themes in Depth** - Jeff Starr 2014-08-31

**Psychology of Programming** - J.-M. Hoc 2014-05-19

Psychology provides a backdrop for most of the study of human\***1**computer interaction. In this volume the psychological issues that pertain to programming, rather than systems design, are examined in four sections: Theoretical and Methodological Issues; Language Design and Skill Acquisition; Expert Programming; and the Future.\*\*\*\*The book was inspired by working groups in France and the United Kingdom but also includes work by major North American figures (such as Curtis and Soloway). It is the first comprehensive work on this topic since the early 1980s.

**FileMaker Pro 14: The Missing Manual** - Susan Prosser 2015-05-13

You don't need a technical background to build powerful databases with FileMaker Pro 14. This crystal-clear, objective guide shows you how to create a database that lets you do almost anything with your data so you can quickly achieve your goals. Whether you're creating catalogs, managing inventory and billing, or planning a wedding, you'll learn how to customize your database to run on a PC, Mac, web browser, or iOS

device. The important stuff you need to know: Dive into relational data. Solve problems quickly by connecting and combining data from different tables. Create professional documents. Publish reports, charts, invoices, catalogs, and other documents with ease. Access data anywhere. Use FileMaker Go on your iPad or iPhone—or share data on the Web. Harness processing power. Use new calculation and scripting tools to crunch numbers, search text, and automate tasks. Run your database on a secure server. Learn the high-level features of FileMaker Pro Advanced. Keep your data safe. Set privileges and allow data sharing with FileMaker's streamlined security features.

**SQL Server MVP Deep Dives** - Paul S. Randal 2009-10-31

This is not an ordinary SQL Server Book. SQL Server MVP Deep Dives brings together the world's most highly-regarded SQL Server experts to create a masterful collection of tips, techniques, and experience-driven best practices for SQL Server development and administration. These SQL Server MVPs-53 in all each selected a topic of great interest to them, and in this unique book, they share their knowledge and passion with you. SQL Server MVP Deep Dives is organized into five parts: Design and Architecture, Development, Administration, Performance Tuning and Optimization, and Business Intelligence. Within each part, you'll find a collection of brilliantly concise and focused chapters that take on key topics like mobile data strategies, Dynamic Management Views, or query performance. The range of subjects covered is comprehensive, from database design tips to data profiling strategies for BI. Additionally, the authors of this book have generously donated 100% of their royalties to support War Child International. War Child International is a network of independent organizations, working across the world to help children affected by war. War Child was founded upon a fundamental goal: to advance the cause of peace through investing hope in the lives of children caught up in the horrors of war. War Child works in many different conflict areas around the world, helping hundreds of thousands of children every year. Visit [www.warchild.org](http://www.warchild.org) for more information. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book.

**Building a Scalable Data Warehouse with Data Vault 2.0** - Dan Linstedt 2015-09-15

The Data Vault was invented by Dan Linstedt at the U.S. Department of Defense, and the standard has been successfully applied to data warehousing projects at organizations of different sizes, from small to large-size corporations. Due to its simplified design, which is adapted from nature, the Data Vault 2.0 standard helps prevent typical data warehousing failures. "Building a Scalable Data Warehouse" covers everything one needs to know to create a scalable data warehouse end to end, including a presentation of the Data Vault modeling technique, which provides the foundations to create a technical data warehouse layer. The book discusses how to build the data warehouse incrementally using the agile Data Vault 2.0 methodology. In addition, readers will learn how to create the input layer (the stage layer) and the presentation layer (data mart) of the Data Vault 2.0 architecture including implementation best practices. Drawing upon years of practical experience and using numerous examples and an easy to understand framework, Dan Linstedt and Michael Olschimke discuss: How to load each layer using SQL Server Integration Services (SSIS), including automation of the Data Vault loading processes. Important data warehouse technologies and practices. Data Quality Services (DQS) and Master Data Services (MDS) in the context of the Data Vault architecture. Provides a complete introduction to data warehousing, applications, and the business context so readers can get-up and running fast Explains theoretical concepts and provides hands-on instruction on how to build and implement a data warehouse Demystifies data vault modeling with beginning, intermediate, and advanced techniques Discusses the advantages of the data vault approach over other techniques, also including the latest updates to Data Vault 2.0 and multiple improvements to Data Vault 1.0

**American Book Publishing Record** - 2007

*Digging Into WordPress* - Chris Coyier 2011-03-28

425 Pages of practical WordPress wisdom in full-color printed format. Includes free lifetime updates, exclusive themes, and much more.

**FileMaker Pro 13: The Missing Manual** - Susan Prosser 2014-06-27

You don't need a technical background to build powerful databases with FileMaker Pro 13. This crystal-clear guide covers all new FileMaker Pro 13 features, such as its improved layout tools and enhanced

mobile support. Whether you're running a business, printing a catalog, or planning a wedding, you'll learn how to customize your database to run on a PC, Mac, Web browser, or iOS device. The important stuff you need to know: Get started. Tour FileMaker Pro's features and create your first database in minutes. Access data anywhere. Use FileMaker Go on your iPad or iPhone--or share data on the Web. Dive into relational data. Solve problems quickly by connecting and combining data tables. Create professional documents. Publish reports, invoices, catalogs, and other documents with ease. Harness processing power. Use calculations and scripts to crunch numbers, search text, and automate tasks. Add visual power and clarity. Create colorful charts to illustrate and summarize your data. Share your database on a secure server. Add the high-level features of FileMaker Pro Advanced and FileMaker Pro Server.

**Access Hacks** - Ken Bluttman 2005-04-17

As part of the Microsoft Office suite, Access has become the industry's leading desktop database management program for organizing, accessing, and sharing information. But taking advantage of this product to build increasingly complex Access applications requires something more than your typical how-to book. What it calls for is Access Hacks from O'Reilly. This valuable guide provides direct, hands-on solutions that can help relieve the frustrations felt by users struggling to master the program's various complexities. For experienced users, Access Hacks offers a unique collection of proven techniques and tools that enable them to take their database skills and productivity to the next level. For Access beginners, it helps them acquire a firm grasp of the program's most productive features. A smart collection of insider tips and tricks, Access Hacks covers all of the program's finer points. Among the multitude of topics addressed, it shows users how to: work with Access in multi-user environments utilize SQL queries work with external data and programs integrate Access with third-party products Just imagine: a learning process without the angst. Well, Access Hacks delivers it with ease, thanks to these down-and-dirty techniques not collected together anywhere else. Part of O'Reilly's best-selling Hacks series, Access Hacks is based on author Ken Bluttman's two decades of real-world experience in database programming and business application building. It's because of his vast experiences that the book is able to offer such a deep understanding of the program's expanding possibilities.

*SQL Hacks* - Andrew Cumming 2007

A guide to getting the most out of the SQL language covers such topics as sending SQL commands to a database, using advanced techniques, solving puzzles, performing searches, and managing users.

Learning MySQL - Saied M.M. Tahaghoghi 2007-11-28

Presents instructions on using MySQL, covering such topics as installation, querying, user management, security, and backups and recovery.

**Advanced ASP.NET Core 3 Security** - Scott Norberg 2020-10-25

**Oracle APEX Reporting Tips & Tricks** - George Bara 2013-05

Take advantage of all the exciting Reporting features of Oracle Application Express 4.2. Designed for a hands-on approach, this book contains in-depth practical guidelines from George Bara, a well-known Oracle APEX expert and blogger. From Classic to Interactive Reports, Web Services and PDF Printing, "Oracle APEX Reporting Tips & Tricks" is a must-have for all database developers that want to make the most out of the Oracle APEX reporting engine.

*Professional SQL Server 2012 Internals and Troubleshooting* - Christian Bolton 2012-10-18

Hands-on troubleshooting methods on the most recent release of SQL Server The 2012 release of SQL Server is the most significant one since 2005 and introduces an abundance of new features. This critical book provides in-depth coverage of best practices for troubleshooting performance problems based on a solid understanding of both SQL Server and Windows internals and shows experienced DBAs how to ensure reliable performance. The team of authors shows you how to master the use of specific troubleshooting tools and how to interpret their output so you can quickly identify and resolve any performance issue on any server running SQL Server. Covers the core technical topics required to understand how SQL Server and Windows should be working Shares best practices so that you know how to proactively monitor and avoid problems Shows how to use tools to quickly gather, analyze, and effectively respond to the source of a system-wide performance issue Professional SQL Server 2012 Internals and Troubleshooting helps you to

quickly become familiar with the changes of this new release so that you can best handle database performance and troubleshooting.

**DevOps Troubleshooting** - Kyle Rankin 2012-11-09

"If you're a developer trying to figure out why your application is not responding at 3 am, you need this book! This is now my go-to book when diagnosing production issues. It has saved me hours in troubleshooting complicated operations problems." -Trotter Cashion, cofounder, Mashion DevOps can help developers, QAs, and admins work together to solve Linux server problems far more rapidly, significantly improving IT performance, availability, and efficiency. To gain these benefits, however, team members need common troubleshooting skills and practices. In DevOps Troubleshooting: Linux Server Best Practices , award-winning Linux expert Kyle Rankin brings together all the standardized, repeatable techniques your team needs to stop finger-pointing, collaborate effectively, and quickly solve virtually any Linux server problem. Rankin walks you through using DevOps techniques to troubleshoot everything from boot failures and corrupt disks to lost email and downed websites. You'll master indispensable skills for diagnosing high-load systems and network problems in production environments. Rankin shows how to Master DevOps' approach to troubleshooting and proven Linux server problem-solving principles Diagnose slow servers and applications by identifying CPU, RAM, and Disk I/O bottlenecks Understand healthy boots, so you can identify failure points and fix them Solve full or corrupt disk issues that prevent disk writes Track down the sources of network problems Troubleshoot DNS, email, and other network services Isolate and diagnose Apache and Nginx Web server failures and slowdowns Solve problems with MySQL and Postgres database servers and queries Identify hardware failures—even notoriously elusive intermittent failures

**Oracle High Performance Tuning for 9i and 10g** - Gavin JT Powell 2003-12-29

There are three parts to tuning an Oracle database: data modeling, SQL code tuning and physical database configuration. A data model contains tables and relationships between tables. Tuning a data model involves normalization and de-normalization. Different approaches are required depending on the application, such as OLTP or a Data Warehouse. Inappropriate database design can make SQL code impossible to tune. Poor data modeling can have a most profound effect on database performance since all SQL code is constructed from the data model. Poorly written SQL code is often a culprit of performance problems and is expensive to rectify. However, tuning of SQL code is generally cheaper than changing the data model. SQL code tends to be contained inside independent blocks within applications or stored procedures. Physical database tuning involves hardware resource usage, networking and various other Oracle things such as configuration and file distribution. Physical configuration is often a culprit of poor performance where Oracle is installed with defaults, and never altered by an expert. \*Includes all three aspects of Oracle database tuning: data model tuning, SQL & PL/SQL code tuning, physical plus configuration tuning \*Contains experienced guidance and real-world examples using large datasets \*Emphasizes development as opposed to operating system perspective

**PC Mag** - 2002-03-26

PCMag.com is a leading authority on technology, delivering Labs-based, independent reviews of the latest products and services. Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology.

*Database Administration* - Craig S. Mullins 2012-10-11

Database Administration, Second Edition , is the definitive, technology-independent guide to the modern discipline of database administration. Packed with best practices and proven solutions for any database platform or environment, this text fully reflects the field's latest realities and challenges. Drawing on more than thirty years of database experience, Mullins focuses on problems that today's DBAs actually face, and skills and knowledge they simply must have. Mullins presents realistic, thorough, and up-to-date coverage of every DBA task, including creating database environments, data modeling, normalization, design, performance, data integrity, compliance, governance, security, backup/recovery, disaster planning, data and storage management, data movement/distribution, data warehousing, connectivity, metadata, tools, and more. This edition adds new coverage of "Big Data," database appliances, cloud computing, and NoSQL. Mullins includes an entirely new chapter on the DBA's role in regulatory compliance, with substantial new material on data breaches, auditing, encryption, retention, and metadata management.

You'll also find an all-new glossary, plus up-to-the-minute DBA rules of thumb.

**SQL Hacks** - Andrew Cumming 2006-11-21

Whether you're running Access, MySQL, SQL Server, Oracle, or PostgreSQL, this book will help you push the limits of traditional SQL to squeeze data effectively from your database. The book offers 100 hacks -- unique tips and tools -- that bring you the knowledge of experts who apply what they know in the real world to help you take full advantage of the expressive power of SQL. You'll find practical techniques to address complex data manipulation problems. Learn how to: Wrangle data in the most efficient way possible Aggregate and organize your data for meaningful and accurate reporting Make the most of subqueries, joins, and unions Stay on top of the performance of your queries and the server that runs them Avoid common SQL security pitfalls, including the dreaded SQL injection attack Let SQL Hacks serve as your toolbox for digging up and manipulating data. If you love to tinker and optimize, SQL is the perfect technology and SQL Hacks is the must-have book for you.

**Penetration Testing** - Georgia Weidman 2014-06-14

Penetration testers simulate cyber attacks to find security weaknesses in networks, operating systems, and applications. Information security experts worldwide use penetration techniques to evaluate enterprise defenses. In *Penetration Testing*, security expert, researcher, and trainer Georgia Weidman introduces you to the core skills and techniques that every pentester needs. Using a virtual machine-based lab that includes Kali Linux and vulnerable operating systems, you'll run through a series of practical lessons with tools like Wireshark, Nmap, and Burp Suite. As you follow along with the labs and launch attacks, you'll experience the key stages of an actual assessment—including information gathering, finding exploitable vulnerabilities, gaining access to systems, post exploitation, and more. Learn how to: -Crack passwords and wireless network keys with brute-forcing and wordlists -Test web applications for vulnerabilities -Use the Metasploit Framework to launch exploits and write your own Metasploit modules -Automate social-engineering attacks -Bypass antivirus software -Turn access to one machine into total control of the enterprise in the post exploitation phase You'll even explore writing your own exploits. Then it's on to mobile hacking—Weidman's particular area of research—with her tool, the Smartphone Pentest Framework. With its collection of hands-on lessons that cover key tools and strategies, *Penetration Testing* is the introduction that every aspiring hacker needs.

**AWS Penetration Testing** - Jonathan Helmus 2020-12-04

Get to grips with security assessment, vulnerability exploitation, workload security, and encryption with this guide to ethical hacking and learn to secure your AWS environment Key FeaturesPerform cybersecurity events such as red or blue team activities and functional testingGain an overview and understanding of AWS penetration testing and securityMake the most of your AWS cloud infrastructure by learning about AWS fundamentals and exploring pentesting best practicesBook Description Cloud security has always been treated as the highest priority by AWS while designing a robust cloud infrastructure. AWS has now extended its support to allow users and security experts to perform penetration tests on its environment. This has not only revealed a number of loopholes and brought vulnerable points in their existing system to the fore, but has also opened up opportunities for organizations to build a secure cloud environment. This book teaches you how to perform penetration tests in a controlled AWS environment. You'll begin by performing security assessments of major AWS resources such as Amazon EC2 instances, Amazon S3, Amazon API Gateway, and AWS Lambda. Throughout the course of this book, you'll also learn about specific tests such as exploiting applications, testing permissions flaws, and discovering weak policies. Moving on, you'll discover how to establish private-cloud access through backdoor Lambda functions. As you advance, you'll explore the no-go areas where users can't make changes due to vendor restrictions and find out how you can avoid being flagged to AWS in these cases. Finally, this book will take you through tips and tricks for securing your cloud environment in a professional way. By the end of this penetration testing book, you'll have become well-versed in a variety of ethical hacking techniques for securing your AWS environment against modern cyber threats. What you will learnSet up your AWS account and get well-versed in various pentesting servicesDelve into a variety of cloud pentesting tools and methodologiesDiscover how to exploit vulnerabilities in both AWS and applicationsUnderstand the legality of pentesting and learn how to stay in scopeExplore cloud pentesting best practices, tips, and tricksBecome competent at using tools such as Kali Linux, Metasploit, and NmapGet to grips with post-exploitation procedures and find out how to write pentesting reportsWho this book is for If you are a network engineer, system administrator, or system operator looking to secure your AWS environment against external cyberattacks, then this book is for you. Ethical hackers, penetration testers, and security consultants who want to enhance their cloud security skills will also find this book useful. No prior experience in penetration testing is required; however, some understanding of cloud computing or AWS cloud is recommended.

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