Oncommand Insight Data Warehouse User Guide

A detailed exploration of the basic patterns underlying today's component infrastructures. The latest addition to this best-selling series opens by providing an "Alexandrian-style" pattern language covering the patterns underlying EJB, COM+ and CCM. It addresses not only the underlying building blocks, but also how they interact and why they are used. The second part of the book provides more detail about how these building blocks are employed in EJB. In the final section the authors fully explore the benefits of building a system based on components. * Examples demonstrate how the 3 main component infrastructures EJB, CCM and COM+ compare * Provides a mix of principles and concrete examples with detailed UML diagrams and extensive source code * Forewords supplied by industry leaders: Clemens Syzperski and Frank Buschmann Score your highest in Operations Management Operations management is an important skill for current and aspiring business leaders to develop and master. It deals with the design and management of products, processes, services, and supply chains. Operations management is a growing field and a required course for most undergraduate business majors and MBA candidates. Now, Operations Management For Dummies serves as an extremely resourceful aid for this

difficult subject. Tracks to a typical course in operations management or operations strategy, and covers topics such as evaluating and measuring existing systems' performance and efficiency, materials management and product development, using tools like Six Sigma and Lean production, designing new, improved processes, and defining, planning, and controlling costs of projects. Clearly organizes and explains complex topics Serves as an supplement to your Operations Management textbooks Helps you score your highest in your Operations Management course Whether your aim is to earn an undergraduate degree in business or an MBA, Operations Management For Dummies is indispensable supplemental reading for your operations management course. Explains canine behavior, offers practical advice on training a dog or puppy, and tells how to handle problem behaviors

The world seems to be getting smaller and business moving much faster. To be successful in this type of environment you need instantaneous access to any information, immediate responses to queries, and constant availability, on a worldwide basis, and in a world where the volume of data is growing exponentially. You need the best resources you can get, and ones that can satisfy those needs. IBM® can help. A primary component that can affect performance is access to disk-based data. And, as data volumes grow, so does

the performance impact. To improve performance, it is time to look for technology enhancements that can mitigate that impact. IBM solidDB® is powerful relational, in-memory caching software that can accelerate traditional disk-based relational database servers by caching performance-critical data into one or more solidDB in-memory database instances. This capability can enable significant performance improvements. It brings data closer to the application so you can use a faster and more efficient data access paradigm. The result? Faster delivery of information for your queries to enable faster analysis and decision-making that can give you a significant business advantage. Have questions? Many of the answers you need are contained in this IBM Redbooks® publication.

The celebrity dog trainer and Emmy-winning star of the CBS show Lucky Dog shares his training system to transform any dog—from spoiled purebred puppy to shelter-shocked rescue—into a model companion in just seven days. Each week on Lucky Dog, Brandon McMillan rescues an untrained, unwanted, "unadoptable" shelter dog. In the days that follow, these dogs undergo a miraculous transformation as they learn to trust McMillan, master his 7 Common Commands, and overcome their behavior problems—ultimately becoming well-mannered pets and even service dogs. With his labor of love complete, McMillan unites each dog with a forever family. Now, in his first book, McMillan shares the knowledge he

has gained working with thousands of dogs of every breed and personality to help readers turn their own pets into well-trained Lucky Dog graduates. Lucky Dog Lessons begins with the basics—building trust, establishing focus and control, and mastering training techniques. From there, McMillan explains his playful, careful, and kind approach to training the 7 Common Commands he teaches every dog: SIT, STAY, DOWN, COME, OFF, HEEL, and NO. Next, McMillan provides solutions to common canine behavior problems, including house training issues, door dashing, chewing, barking, and common mealtime misbehaviors. Lucky Dog Lessons includes easy-to-follow steps, illustrative examples, tried-and-true tips and tricks, and photographs to demonstrate each technique. Throughout the book, McMillan shares inspiring stories about his favorite students and gives fans a behind-the-scenes look at the show and some of his most unique and challenging canine encounters, including some never-before-seen outtakes. Brandon McMillian believes that no dog is beyond saving, and the loving, positive, successful methods he offers will work wonders with even the most challenging dog. Create the happy pet family you want with Lucky Dog Lessons.

What could you do with data if scalability wasn't a problem? With this hands-on guide, you'll learn how Apache Cassandra handles hundreds of terabytes of data

while remaining highly available across multiple data centers -- capabilities that have attracted Facebook, Twitter, and other data-intensive companies. Cassandra: The Definitive Guide provides the technical details and practical examples you need to assess this database management system and put it to work in a production environment. Author Eben Hewitt demonstrates the advantages of Cassandra's nonrelational design, and pays special attention to data modeling. If you're a developer, DBA, application architect, or manager looking to solve a database scaling issue or future-proof your application, this guide shows you how to harness Cassandra's speed and flexibility. Understand the tenets of Cassandra's column-oriented structure Learn how to write, update, and read Cassandra data Discover how to add or remove nodes from the cluster as your application requires Examine a working application that translates from a relational model to Cassandra's data model Use examples for writing clients in Java, Python, and C# Use the JMX interface to monitor a cluster's usage, memory patterns, and more Tune memory settings, data storage, and caching for better performance

This book presents a detailed review of high-performance computing infrastructures for next-generation big data and fast data analytics. Features: includes case studies and learning activities throughout the book and self-study

exercises in every chapter; presents detailed case studies on social media analytics for intelligent businesses and on big data analytics (BDA) in the healthcare sector; describes the network infrastructure requirements for effective transfer of big data, and the storage infrastructure requirements of applications which generate big data; examines real-time analytics solutions; introduces in-database processing and in-memory analytics techniques for data mining; discusses the use of mainframes for handling real-time big data and the latest types of data management systems for BDA; provides information on the use of cluster, grid and cloud computing systems for BDA; reviews the peer-to-peer techniques and tools and the common information visualization techniques, used in BDA.

This IBM® Red paper books® publication is divided into three parts: Part 1, "Introduction" on page1, provides an introduction to message-oriented middleware and the WebSphere® MQ product. We discuss the concept of messaging, explaining what is new in WebSphere MQ V7.0 and how it is implemented. An overview is provided on how it fits within the service-oriented architecture (SOA) framework. Part 2, "WebSphere MQ V7.0 enhancements and changes" on page 41, explains the new WebSphere MQ V7.0 features and enhancements in detail and includes compatibility and the migration

considerations from the previous supported versions. Part 3, "Scenario" on page253, contains a scenario that demonstrates how the new features and enhancements work and how to use them. The sample programs and scripts used for this scenario are available for download by following the instructions in Appendix B, "Additional material" on page379.

Expert Oracle GoldenGate is a hands-on guide to creating and managing complex data replication environments using the latest in database replication technology from Oracle. GoldenGate is the future in replication technology from Oracle, and aims to be best-of-breed. GoldenGate supports homogeneous replication between Oracle databases. It supports heterogeneous replication involving other brands such as Microsoft SQL Server and IBM DB2 Universal Server. GoldenGate is high-speed, bidirectional, highly-parallelized, and makes only a light impact on the performance of databases involved in replication. The authors share their experience in the form of tutorials on designing and implementing all types of Oracle GoldenGate environments. You'll learn methods for tuning Oracle GoldenGate performance. You'll discover GoldenGate's utility as a migration and extract, transform, load (ETL) tool. You'll learn to configure highly-available environments involving GoldenGate, Real Application Clusters, and Data Guard. From installation to design to

implementation and troubleshooting, Expert Oracle GoldenGate helps you master all aspects of using and applying Oracle GoldenGate as the replication tool of choice in your environment. Explains all aspects of using GoldenGate for replication Covers homogeneous, heterogeneous, and bidirectional replication Shows the use of GoldenGate for data migration and extract, transform, load (ETL)

This IBM® Redbooks® publication gives a broad understanding of IBM IMSTM integration and connectivity solutions to access applications and data stores across your enterprise architecture. As an application developer, architect, systems integrator, or systems programmer, there is important information that is available in this book that pertains to your responsibilities to continue to include the proven performance, data integrity, and workload distribution that is available from IMS in to selected projects that are related to your entire enterprise. This book updates and adds to the information in the following IBM Redbooks publications: IMS e-business Connectors: A Guide to IMS Connectivity, SG24-6514 IMS Connectivity in an On Demand Environment: A Practical Guide to IMS Connectivity, SG24-6794 Powering SOA Solutions with IMS, SG24-7662 IBM IMS Version 12 Technical Overview, SG24-7972 IMS 12: The IMS Catalog, REDP-4812 Rethink Your Mainframe Applications: Reasons and Approaches for

Extension, Transformation, and Growth, REDP-4938

FISCAM presents a methodology for performing info. system (IS) control audits of governmental entities in accordance with professional standards. FISCAM is designed to be used on financial and performance audits and attestation engagements. The methodology in the FISCAM incorp. the following: (1) A top-down, risk-based approach that considers materiality and significance in determining audit procedures; (2) Evaluation of entitywide controls and their effect on audit risk; (3) Evaluation of general controls and their pervasive impact on bus. process controls; (4) Evaluation of security mgmt. at all levels; (5) Control hierarchy to evaluate IS control weaknesses; (6) Groupings of control categories consistent with the nature of the risk. Illus.

Pro SQL Server Internals explains how different SQL Server components work "under the hood" and how they communicate with each other. This is the practical book with a large number of examples that will show you how various design and implementation decisions affect the behavior and performance of your systems. Pro SQL Server Internals covers a multiple SQL Server versions starting with SQL Server 2005 all the way up to the recently released SQL Server 2014. You'll learn about new SQL Server 2014 features including the new Cardinality Estimator, In-Memory OLTP Engine (codename Hekaton), and

Clustered Columnstore Indexes. With Pro SQL Server Internals, you have a solid roadmap for understanding the depth and power of the SQL Server database backend, regardless of the version and edition of SQL Server you use. Pro SQL Server Internals does the following: Explains how to design efficient database schema, indexing, and transaction strategies. Shows how various database objects and technologies are implemented internally and when they should or should not be used. Demonstrates how SQL Server executes queries and works with data and transaction logs.

Created by Tom Clancy, written by David Michaels.

Learning on Demand presents new ideas around the topic of web-enabled instruction, challenging long-held beliefs about proper 'design' and the methods for engaging students. Drawing on technology trends, this book shows that accessibility of information on demand overshadows 'interactive design' for creating effective web-based instruction. In addition, the trends that are evident outside of the training and development industry are ones that could empower and bring training and development professionals into vital roles within an organisation.

Corporate workgroups, distributed enterprises, and small to medium-sized companies are increasingly seeking to network and consolidate storage to

improve availability, share information, reduce costs, and protect and secure information. These organizations require enterprise-class solutions capable of addressing immediate storage needs cost-effectively, while providing an upgrade path for future requirements. IBM® System Storage® N series storage systems and their software capabilities are designed to meet these requirements. IBM System Storage N series storage systems offer an excellent solution for a broad range of deployment scenarios. IBM System Storage N series storage systems function as a multiprotocol storage device that is designed to allow you to simultaneously serve both file and block-level data across a single network. These activities are demanding procedures that, for some solutions, require multiple, separately managed systems. The flexibility of IBM System Storage N series storage systems, however, allows them to address the storage needs of a wide range of organizations, including distributed enterprises and data centers for midrange enterprises. IBM System Storage N series storage systems also support sites with computer and data-intensive enterprise applications, such as database, data warehousing, workgroup collaboration, and messaging. This IBM Redbooks® publication explains the software features of the IBM System Storage N series storage systems. This book also covers topics such as installation, setup, and administration of those software features from the IBM

System Storage N series storage systems and clients and provides example scenarios.

This book covers the fundamentals of machine learning with Python in a concise and dynamic manner. It covers data mining and large-scale machine learning using Apache Spark. About This Book Take your first steps in the world of data science by understanding the tools and techniques of data analysis Train efficient Machine Learning models in Python using the supervised and unsupervised learning methods Learn how to use Apache Spark for processing Big Data efficiently Who This Book Is For If you are a budding data scientist or a data analyst who wants to analyze and gain actionable insights from data using Python, this book is for you. Programmers with some experience in Python who want to enter the lucrative world of Data Science will also find this book to be very useful, but you don't need to be an expert Python coder or mathematician to get the most from this book. What You Will Learn Learn how to clean your data and ready it for analysis Implement the popular clustering and regression methods in Python Train efficient machine learning models using decision trees and random forests Visualize the results of your analysis using Python's Matplotlib library Use Apache Spark's MLlib package to perform machine learning on large datasets In Detail Join Frank Kane, who worked on Amazon and IMDb's

machine learning algorithms, as he guides you on your first steps into the world of data science. Hands-On Data Science and Python Machine Learning gives you the tools that you need to understand and explore the core topics in the field, and the confidence and practice to build and analyze your own machine learning models. With the help of interesting and easy-to-follow practical examples, Frank Kane explains potentially complex topics such as Bayesian methods and K-means clustering in a way that anybody can understand them. Based on Frank's successful data science course, Hands-On Data Science and Python Machine Learning empowers you to conduct data analysis and perform efficient machine learning using Python. Let Frank help you unearth the value in your data using the various data mining and data analysis techniques available in Python, and to develop efficient predictive models to predict future results. You will also learn how to perform large-scale machine learning on Big Data using Apache Spark. The book covers preparing your data for analysis, training machine learning models, and visualizing the final data analysis. Style and approach This comprehensive book is a perfect blend of theory and hands-on code examples in Python which can be used for your reference at any time.

The militarized legacy of the digital cloud: how the cloud grew out of older network technologies and politics. We may imagine the digital cloud as placeless, mute,

ethereal, and unmediated. Yet the reality of the cloud is embodied in thousands of massive data centers, any one of which can use as much electricity as a midsized town. Even all these data centers are only one small part of the cloud. Behind that cloud-shaped icon on our screens is a whole universe of technologies and cultural norms, all working to keep us from noticing their existence. In this book, Tung-Hui Hu examines the gap between the real and the virtual in our understanding of the cloud. Hu shows that the cloud grew out of such older networks as railroad tracks, sewer lines, and television circuits. He describes key moments in the prehistory of the cloud, from the game "Spacewar" as exemplar of time-sharing computers to Cold War bunkers that were later reused as data centers. Countering the popular perception of a new "cloudlike" political power that is dispersed and immaterial, Hu argues that the cloud grafts digital technologies onto older ways of exerting power over a population. But because we invest the cloud with cultural fantasies about security and participation, we fail to recognize its militarized origins and ideology. Moving between the materiality of the technology itself and its cultural rhetoric, Hu's account offers a set of new tools for rethinking the contemporary digital environment.

Field Command is a first of its kind; a full-length tactical science textbook focused specifically on crisis situations faced by the law enforcement community. It expands on the concepts laid out in Heal's Sound Doctrine: A Tactical Primer. The concepts and principles are taken from tactical texts and military field manuals and are presented as

close to how they are used as possible. To facilitate understanding, illustrations are abundant and not only clarify the text but amplify it with new insights and applications. Learn how to develop and employ an ontology, the secret weapon for successfully using artificial intelligence to create a powerful competitive advantage in your business. The AI-Powered Enterprise examines two fundamental questions: First, how will the future be different as a result of artificial intelligence? And second, what must companies do to stake their claim on that future? When the Web came along in the mid-90s, it transformed the behavior of customers and remade whole industries. Now, as part of its promise to bring revolutionary change in untold ways to human activity, artificial intelligence—AI—is about to create another complete transformation in how companies create and deliver value to customers. But despite the billions spent so far on bots and other tools, AI continues to stumble. Why can't it magically use all the data organizations generate to make them run faster and better? Because something is missing. AI works only when it understands the soul of the business. An ontology is a holistic digital model of every piece of information that matters to the business, from processes to products to people, and it's what makes the difference between the promise of AI and delivering on that promise. Business leaders who want to catch the AI wave—rather than be crushed by it—need to read The AI-Powered Enterprise. The book is the first to combine a sophisticated explanation of how AI works with a practical approach to applying AI to the problems of business, from customer experience to

business operations to product development.

Get the most out of the rich development capabilities of SQL Server 2016 to build efficient database applications for your organization About This Book Utilize the new enhancements in Transact-SQL and security features in SQL Server 2016 to build efficient database applications Work with temporal tables to get information about data stored in the table at any point in time A detailed guide to SQL Server 2016, introducing you to multiple new features and enhancements to improve your overall development experience Who This Book Is For This book is for database developers and solution architects who plan to use the new SQL Server 2016 features for developing efficient database applications. It is also ideal for experienced SQL Server developers who want to switch to SQL Server 2016 for its rich development capabilities. Some understanding of the basic database concepts and Transact-SQL language is assumed. What You Will Learn Explore the new development features introduced in SQL Server 2016 Identify opportunities for In-Memory OLTP technology, significantly enhanced in SQL Server 2016 Use columnstore indexes to get significant storage and performance improvements Extend database design solutions using temporal tables Exchange JSON data between applications and SQL Server in a more efficient way Migrate historical data transparently and securely to Microsoft Azure by using Stretch Database Use the new security features to encrypt or to have more granular control over access to rows in a table Simplify performance troubleshooting with Query Store Discover the

potential of R's integration with SQL Server In Detail Microsoft SQL Server 2016 is considered the biggest leap in the data platform history of the Microsoft, in the ongoing era of Big Data and data science. Compared to its predecessors, SQL Server 2016 offers developers a unique opportunity to leverage the advanced features and build applications that are robust, scalable, and easy to administer. This book introduces you to new features of SQL Server 2016 which will open a completely new set of possibilities for you as a developer. It prepares you for the more advanced topics by starting with a quick introduction to SQL Server 2016's new features and a recapitulation of the possibilities you may have already explored with previous versions of SQL Server. The next part introduces you to small delights in the Transact-SQL language and then switches to a completely new technology inside SQL Server - JSON support. We also take a look at the Stretch database, security enhancements, and temporal tables. The last chapters concentrate on implementing advanced topics, including Query Store, columnstore indexes, and In-Memory OLTP. You will finally be introduced to R and how to use the R language with Transact-SQL for data exploration and analysis. By the end of this book, you will have the required information to design efficient, high-performance database applications without any hassle. Style and approach This book is a detailed guide to mastering the development features offered by SQL Server 2016, with a unique learn-as-you-do approach. All the concepts are explained in a very easy-to-understand manner and are supplemented with examples

to ensure that you—the developer—are able to take that next step in building more powerful, robust applications for your organization with ease.

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.

The Green and Virtual Data Center sets aside the political aspects of what is or is not considered green to instead focus on the opportunities for organizations that want to sustain environmentally-friendly economical growth. If you are willing to believe that IT infrastructure resources deployed in a highly virtualized manner can be combined with other technologies to achieve simplified and cost-effective delivery of services in a green, profitable manner, this book is for you. Savvy industry veteran Greg Schulz provides real-world insight, addressing best practices, server, software, storage, networking, and facilities issues concerning any current or next-generation virtual data center that relies on underlying physical infrastructures. Coverage includes: Energy and data footprint reduction Cloud-based storage and computing Intelligent and adaptive power management Server, storage, and networking virtualization Tiered servers and storage, network, and data centers Energy avoidance and energy efficiency Many current and emerging technologies can enable a green and efficient virtual data center to support and sustain business growth with a reasonable return on investment. This book presents virtually all critical IT technologies and techniques to discuss the

interdependencies that need to be supported to enable a dynamic, energy-efficient, economical, and environmentally-friendly green IT data center. This is a path that every organization must ultimately follow. Take a tour of the Green and Virtual Data Center website. CRC Press is pleased to announce that The Green and Virtual Data Center has been added to Intel Corporation's Recommended Reading List. Intel's Recommended Reading program provides technical professionals a simple and handy reference list of what to read to stay abreast of new technologies. Dozens of industry technologists, corporate fellows, and engineers have helped by suggesting books and reviewing the list. This is the most comprehensive reading list available for professional computer developers.

NEW YORK TIMES BESTSELLER Paul Kennedy, award-winning author of The Rise and Fall of the Great Powers and one of today's most renowned historians, now provides a new and unique look at how World War II was won. Engineers of Victory is a fascinating nuts-and-bolts account of the strategic factors that led to Allied victory. Kennedy reveals how the leaders' grand strategy was carried out by the ordinary soldiers, scientists, engineers, and businessmen responsible for realizing their commanders' visions of success. In January 1943, FDR and Churchill convened in Casablanca and established the Allied objectives for the war: to defeat the Nazi blitzkrieg; to control the Atlantic sea lanes and the air over western and central Europe; to take the fight to the European mainland; and to end Japan's imperialism.

Astonishingly, a little over a year later, these ambitious goals had nearly all been accomplished. With riveting, tactical detail, Engineers of Victory reveals how. Kennedy recounts the inside stories of the invention of the cavity magnetron, a miniature radar "as small as a soup plate," and the Hedgehog, a multi-headed grenade launcher that allowed the Allies to overcome the threat to their convoys crossing the Atlantic; the critical decision by engineers to install a super-charged Rolls-Royce engine in the P-51 Mustang, creating a fighter plane more powerful than the Luftwaffe's; and the innovative use of pontoon bridges (made from rafts strung together) to help Russian troops cross rivers and elude the Nazi blitzkrieg. He takes readers behind the scenes, unveiling exactly how thousands of individual Allied planes and fighting ships were choreographed to collectively pull off the invasion of Normandy, and illuminating how crew chiefs perfected the high-flying and inaccessible B-29 Superfortress that would drop the atomic bombs on Japan. The story of World War II is often told as a grand narrative, as if it were fought by supermen or decided by fate. Here Kennedy uncovers the real heroes of the war, highlighting for the first time the creative strategies, tactics, and organizational decisions that made the lofty Allied objectives into a successful reality. In an even more significant way, Engineers of Victory has another claim to our attention, for it restores "the middle level of war" to its rightful place in history. Praise for Engineers of Victory "Superbly written and carefully documented . . . indispensable reading for anyone who seeks to understand how and why the Allies won."—The

Christian Science Monitor "An important contribution to our understanding of World War II . . . Like an engineer who pries open a pocket watch to reveal its inner mechanics, [Paul] Kennedy tells how little-known men and women at lower levels helped win the war."—Michael Beschloss, The New York Times Book Review "Histories of World War II tend to concentrate on the leaders and generals at the top who make the big strategic decisions and on the lowly grunts at the bottom. . . . [Engineers of Victory] seeks to fill this gap in the historiography of World War II and does so triumphantly. . . . This book is a fine tribute."—The Wall Street Journal "[Kennedy] colorfully and convincingly illustrates the ingenuity and persistence of a few men who made all the difference."—The Washington Post "This superb book is Kennedy's best."—Foreign Affairs

This report explores the growth prospects for the ocean economy, its capacity for future employment creation and innovation, and its role in addressing global challenges. Special attention is devoted to the emerging ocean-based industries.

With Microsoft SQL Server 2016, a variety of new features and enhancements to the data platform deliver breakthrough performance, advanced security, and richer, integrated reporting and analytics capabilities. In this ebook, we introduce new security features: Always Encrypted, Row-Level Security, and dynamic data masking; discuss enhancements that enable you to better manage performance and storage: TemDB configuration, query store, and Stretch Database; review

several improvements to Reporting Services; and also describe AlwaysOn Availability Groups, tabular enhancements, and R integration.

The new edition of a bestseller, now revised and update throughout! This new edition of the unparalleled bestseller serves as a full training course all in one and as the world's largest data storage company, EMC is the ideal author for such a critical resource. They cover the components of a storage system and the different storage system models while also offering essential new material that explores the advances in existing technologies and the emergence of the "Cloud" as well as updates and vital information on new technologies. Features a separate section on emerging area of cloud computing Covers new technologies such as: data de-duplication, unified storage, continuous data protection technology, virtual provisioning, FCoE, flash drives, storage tiering, big data, and more Details storage models such as Network Attached Storage (NAS), Storage Area Network (SAN), Object Based Storage along with virtualization at various infrastructure components Explores Business Continuity and Security in physical and virtualized environment Includes an enhanced Appendix for additional information This authoritative guide is essential for getting up to speed on the newest advances in information storage and management.

Visualization is the graphic presentation of data -- portrayals meant to reveal

complex information at a glance. Think of the familiar map of the New York City subway system, or a diagram of the human brain. Successful visualizations are beautiful not only for their aesthetic design, but also for elegant layers of detail that efficiently generate insight and new understanding. This book examines the methods of two dozen visualization experts who approach their projects from a variety of perspectives -- as artists, designers, commentators, scientists, analysts, statisticians, and more. Together they demonstrate how visualization can help us make sense of the world. Explore the importance of storytelling with a simple visualization exercise Learn how color conveys information that our brains recognize before we're fully aware of it Discover how the books we buy and the people we associate with reveal clues to our deeper selves Recognize a method to the madness of air travel with a visualization of civilian air traffic Find out how researchers investigate unknown phenomena, from initial sketches to published papers Contributors include: Nick Bilton,Michael E. Driscoll,Jonathan Feinberg,Danyel Fisher,Jessica Hagy,Gregor Hochmuth,Todd Holloway,Noah Iliinsky,Eddie Jabbour,Valdean Klump,Aaron Koblin,Robert Kosara,Valdis Krebs,JoAnn Kuchera-Morin et al.,Andrew Odewahn,Adam Perer,Anders Persson,Maximilian Schich,Matthias Shapiro,Julie Steele,Moritz Stefaner,Jer Thorp,Fernanda Viegas,Martin Wattenberg,and Michael Young.

IBM® InfoSphere® Guardium® provides the simplest, most robust solution for data security and data privacy by assuring the integrity of trusted information in your data center. InfoSphere Guardium helps you reduce support costs by automating the entire compliance auditing process across heterogeneous environments. InfoSphere Guardium offers a flexible and scalable solution to support varying customer architecture requirements. This IBM Redbooks® publication provides a guide for deploying the Guardium solutions. This book also provides a roadmap process for implementing an InfoSphere Guardium solution that is based on years of experience and best practices that were collected from various Guardium experts. We describe planning, installation, configuration, monitoring, and administrating an InfoSphere Guardium environment. We also describe use cases and how InfoSphere Guardium integrates with other IBM products. The guidance can help you successfully deploy and manage an IBM InfoSphere Guardium system. This book is intended for the system administrators and support staff who are responsible for deploying or supporting an InfoSphere Guardium environment.
Microsoft SQL Server 2000 is the high-end, mission-critical relational database management system for rapidly building the next generation of scalable e-commerce, line-of-business, and data-warehousing solutions. "Microsoft SQL

Server 2000 Resource Kit" gives database administrators and other IT professionals the definitive technical information and tools they need to deploy, manage, and maintain SQL Server 2000. Delivered direct from the Microsoft SQL Server 2000 product team and Microsoft Consulting Services, it includes special information about core functionality and new features of the product, plus a CD-ROM packed with unique tools and utilities to simplify SQL Server management. It also covers vital topics such as security, clustering and scalability, and Extensible Markup Language (XML). This powerhouse reference is an essential resource for every database administrator who seeks maximum performance from SQL Server 2000.

In the past few years the United States has experienced a series of disasters, such as Hurricane Katrina in 2005, which have severely taxed and in many cases overwhelmed responding agencies. In all aspects of emergency management, geospatial data and tools have the potential to help save lives, limit damage, and reduce the costs of dealing with emergencies. Great strides have been made in the past four decades in the development of geospatial data and tools that describe locations of objects on the Earth's surface and make it possible for anyone with access to the Internet to witness the magnitude of a disaster. However, the effectiveness of any technology is as much about the human

systems in which it is embedded as about the technology itself. Successful Response Starts with a Map assesses the status of the use of geospatial data, tools, and infrastructure in disaster management, and recommends ways to increase and improve their use. This book explores emergency planning and response; how geospatial data and tools are currently being used in this field; the current policies that govern their use; various issues related to data accessibility and security; training; and funding. Successful Response Starts with a Map recommends significant investments be made in training of personnel, coordination among agencies, sharing of data and tools, planning and preparedness, and the tools themselves.

Cowritten by Ralph Kimball, the world's leading data warehousing authority, whose previous books have sold more than 150,000 copies Delivers real-world solutions for the most time- and labor-intensive portion of data warehousing-data staging, or the extract, transform, load (ETL) process Delineates best practices for extracting data from scattered sources, removing redundant and inaccurate data, transforming the remaining data into correctly formatted data structures, and then loading the end product into the data warehouse Offers proven time-saving ETL techniques, comprehensive guidance on building dimensional structures, and crucial advice on ensuring data quality

A database administrator's duties include ensuring that a database can be restored and recovered in the event of error or disaster. This book discusses how to perform backup and restore operations using SQL Server Management Studio (SSMS), basic T-SQL scripts and Red Gate's SQL Backup tool. Capturing backups using SSMS or simple scripts is fine for one-off backup operations, but any backups that form part of the recovery strategy for any given database must be automated with some built-in checks that, for example, alert the responsible database administrator immediately if a problem arises. The tool of choice in this book for backup automation is Red Gate SQL Backup. Building an automated solution will take a lot of work, but this book offers some advice on possible options, such as PowerShell scripting, T-SQL scripts and SQL Server Agent jobs. --

A science-backed method to maximize creative potential in anysphere of life With the prevalence of computer technology and outsourcing, newjobs and fulfilling lives will rely heavily on creativity andinnovation. Keith Sawyer draws from his expansive research of thecreative journey, exceptional creators, creative abilities, andworld-changing innovations to create an accessible, eight-stepprogram to increasing anyone's creative potential. Sawyer revealsthe surprising secrets of highly creative people (such as learningto ask better questions when faced with a problem), demonstrateshow to come

up with better ideas, and explains how to carry thoseideas to fruition most effectively. This science-backed, step-by step method can maximize ourcreative potential in any sphere of life. Offers a proven method for developing new ideas and creativeproblem-solving no matter what your profession Includes an eight-step method, 30 practices, and more than 100techniques that can be launched at any point in a creativejourney Psychologist, jazz pianist, and author Keith Sawyer studiedwith world-famous creativity expert Mihaly Csikszentmihalyi Sawyer's book offers a wealth of easy to apply strategies andideas for anyone who wants to tap into their creative power.

An American writer of travel guides in need of a new location chooses to travel to a small and obscure Eastern European country. The moment Grafton crosses the border he is in trouble, much more than he could have imagined. His passport is taken by guards, and then he is detained for not having it. He is released into the custody of a family, but is again detained. It becomes evident that there are supernatural agencies at work, but they are not in some ways as threatening as the brute forces of bureaucracy and corruption in that country. Is our hero in fact a spy for the CIA? Or is he an innocent citizen caught in a Kafkaesque trap? In The Land Across, Gene Wolfe keeps us guessing until the very end, and after. A Kirkus Reviews Best Fiction Book of 2013 At the Publisher's request, this title is being sold without Digital Rights Management Software (DRM) applied.

Get the most out of your data by getting more out of Tableau Tableau Your Data!

shows you how to build dynamic, best of breed visualizations using the Tableau Software toolset. This comprehensive guide covers the core feature set for data analytics, and provides clear step-by-step guidance toward best practices and advanced techniques that go way beyond the user manual. You'll learn how Tableau is different from traditional business information analysis tools, and how to navigate your way around the Tableau 9.0 desktop before delving into functions and calculations, as well as sharing with the Tableau Server. Coverage includes settings customization, data security, scaling, syntax, and more, with plenty of examples that simplify advanced techniques. Use cases demonstrate how Tableau is applied throughout the enterprise, so you can utilize these analysis tools across sales, marketing, operations, financials, and much more. The companion website features actual working models of the book's visualizations, plus a host of useful links to web-based resources that can help you customize your Tableau experience. Tableau is designed specifically to provide fast and easy visual analytics. The intuitive drag-and-drop interface helps you create interactive reports, dashboards, and visualizations, all without any special or advanced training. This book is your Tableau companion, helping you get the most out of this invaluable business toolset. Analyze data more effectively with Tableau Desktop Deploy visualizations to consumers throughout the enterprise Understand Tableau functions and calculations Leverage Tableau across every link in the value chain You need to make sense of your data before you can use it effectively to make good

business decisions. Tableau helps you unlock the stories within the numbers, andTableau Your Data! puts the software's full functionality right at your fingertips. The Data Warehouse ETL ToolkitPractical Techniques for Extracting, Cleaning, Conforming, and Delivering DataJohn Wiley & Sons
A USA Today bestseller! Companies like Netflix, Spotify, and Salesforce are just the tip of the iceberg for the subscription model. The real transformation--and the real opportunity--is just beginning. Subscription companies are growing nine times faster than the S&P 500. Why? Because unlike product companies, subscription companies know their customers. A happy subscriber base is the ultimate economic moat. Today's consumers prefer the advantages of access over the hassles of maintenance, from transportation (Uber, Surf Air), to clothing (Stitch Fix, Eleven James), to razor blades and makeup (Dollar Shave Club, Birchbox). Companies are similarly demanding easier, long-term solutions, trading their server rooms for cloud storage solutions like Box. Simply put, the world is shifting from products to services. But how do you turn customers into subscribers? As the CEO of the world's largest subscription management platform, Tien Tzuo has helped hundreds of companies transition from relying on individual sales to building customer-centric, recurring-revenue businesses. His core message in Subscribed is simple: Ready or not, excited or terrified, you need to adapt to the Subscription Economy -- or risk being left behind. Tzuo shows how to use subscriptions to build lucrative, ongoing one-on-one relationships with your

customers. This may require reinventing substantial parts of your company, from your accounting practices to your entire IT architecture, but the payoff can be enormous. Just look at the case studies: * Adobe transitions from selling enterprise software licenses to offering cloud-based solutions for a flat monthly fee, and quadruples its valuation. * Fender evolves from selling guitars one at a time to creating lifelong musicians by teaching beginners to play, and keeping them inspired for life. * Caterpillar uses subscriptions to help solve problems -- it's not about how many tractors you can rent, but how much dirt you need to move. In Subscribed, you'll learn how these companies made the shift, and how you can transform your own product into a valuable service with a practical, step-by-step framework. Find out how how you can prepare and prosper now, rather than trying to catch up later.

Step by step guide to monitor, manage, and secure your database engine Key Features Your companion to master all the administration-related tasks in MySQL 8 Ensure high performance and high availability of your MySQL solution using effective replication and backup techniques A comprehensive guide to performing query optimization, security and a whole host of other administrative tasks in MySQL 8 Book Description MySQL is one of the most popular and widely used relational databases in the world today. The recently released version 8.0 brings along some major advancements in the way your MySQL solution can be administered. This handbook will be your companion to understand the newly introduced features in MySQL and how you can leverage them to

design a high-performance MySQL solution for your organization. This book starts with a brief introduction to the newly introduced features in MySQL 8, followed by quickly jumping onto the crucial administration topics that you will find useful in your day to day work. Topics such as migrating to MySQL 8, MySQL benchmarking, achieving high performance by implementing the indexing techniques, and optimizing your queries are covered in this book. You will also learn how to perform replication, scale your MySQL solution and implement effective security techniques. A special section on the common and not so common troubleshooting techniques for effective MySQL administration is also covered in this book. By the end of this highly practical book, you will have all the knowledge you need to tackle any problem you might encounter while administering your MySQL solution. What you will learn Understanding different MySQL 8 data types based on type of contents and storage requirements Best practices for optimal use of features in MySQL 8 Explore globalization configuration and caching techniques to improve performance Create custom storage engine as per system requirements Learn various ways of index implementation for flash memory storages Configure and implement replication along with approaches to use replication as solution Understand how to make your MySQL 8 solution highly available Troubleshoot common issues and identify error codes while using MySQL 8 Who this book is for This book is intended for MySQL administrators who are looking for a handy guide covering all the MySQL administration-related tasks. If you are a DBA looking to get started with MySQL

administration, this book will also help you. Knowledge of the basic database concepts is required to get started with this book.

New edition of the bestselling guide to mastering Python Networking, updated to Python 3 and including the latest on network data analysis, Cloud Networking, Ansible 2.8, and new libraries Key Features Explore the power of Python libraries to tackle difficult network problems efficiently and effectively, including pyATS, Nornir, and Ansible 2.8 Use Python and Ansible for DevOps, network device automation, DevOps, and software-defined networking Become an expert in implementing advanced network-related tasks with Python 3 Book Description Networks in your infrastructure set the foundation for how your application can be deployed, maintained, and serviced. Python is the ideal language for network engineers to explore tools that were previously available to systems engineers and application developers. In Mastering Python Networking, Third edition, you'll embark on a Python-based journey to transition from traditional network engineers to network developers ready for the next-generation of networks. This new edition is completely revised and updated to work with Python 3. In addition to new chapters on network data analysis with ELK stack (Elasticsearch, Logstash, Kibana, and Beats) and Azure Cloud Networking, it includes updates on using newer libraries such as pyATS and Nornir, as well as Ansible 2.8. Each chapter is updated with the latest libraries with working examples to ensure compatibility and understanding of the concepts. Starting with a basic overview of Python, the book

teaches you how it can interact with both legacy and API-enabled network devices. You will learn to leverage high-level Python packages and frameworks to perform network automation tasks, monitoring, management, and enhanced network security followed by Azure and AWS Cloud networking. Finally, you will use Jenkins for continuous integration as well as testing tools to verify your network. What you will learn Use Python libraries to interact with your network Integrate Ansible 2.8 using Python to control Cisco, Juniper, and Arista network devices Leverage existing Flask web frameworks to construct high-level APIs Learn how to build virtual networks in the AWS & Azure Cloud Learn how to use Elastic Stack for network data analysis Understand how Jenkins can be used to automatically deploy changes in your network Use PyTest and Unittest for Test-Driven Network Development in networking engineering with Python Who this book is for Mastering Python Networking, Third edition is for network engineers, developers, and SREs who want to use Python for network automation, programmability, and data analysis. Basic familiarity with Python programming and networking-related concepts such as Transmission Control Protocol/Internet Protocol (TCP/IP) will be useful.

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