A Cloud Migration Checklist Velostrata

Kubernetes is a widely used opensource orchestration platform for managing container applications. Developers are not yet aware of the pitfalls of a containerized environment. This book takes you through core security principles, best practices, and real-world use cases to learn mitigation or prevention strategies from known attacks and CVEs.

Across the globe, Google, Amazon, Facebook, Apple and Microsoft have accumulated power in ways that existing regulatory and intellectual frameworks struggle to comprehend. A consensus is emerging that the power of these new digital monopolies is unprecedented, and that it has important implications for journalism, politics, and society. It is increasingly clear that democratic societies require new legal and conceptual tools if they are to adequately understand, and if necessary check the economic might of these companies. Equally, that we need to better comprehend the ability of such firms to control personal data and to shape the flow of news, information, and public opinion. In this volume, Martin Moore and Damian Tambini draw together the world's leading researchers to examine the digital dominance of technologies platforms and look at the evidence behind the rising tide of criticism of the tech giants. In fifteen chapters, the authors examine the economic, political, and social impacts of Google, Amazon, Facebook, Apple, and Microsoft, in order to understand the different facets of their power and how it is manifested. Digital Dominance is the first interdisciplinary volume on this topic, contributing to a conversation which is critical to maintaining the health of democracies across the world.

Dedicated to the men of the Antitrust Division of the Department of Justice, this powerful book was written by Thurman W. Arnold in 1940, when he was Assistant Attorney General of the United States. Under his astute and vigorous leadership, the Division prosecuted 230 companies for monopoly practices in violation of the Sherman Antitrust Act. Mr. Arnold saw the Act as an instrument to clear the restraint of trade. His anti-trust purpose, he said at the time, was not to destroy the big corporations but to keep them within bounds. The book provides an enlightening analysis of some of the principal cases of the time.

T-SQL insiders help you tackle your toughest queries and query-tuning problems Squeeze maximum performance and efficiency from every T-SQL query you write or tune. Four leading experts take an in-depth look at T-SQL's internal architecture and offer advanced practical techniques for optimizing response time and resource usage. Emphasizing a correct understanding of the language and its foundations, the authors present unique solutions they have spent years developing and refining. All code and techniques are fully updated to reflect new T-SQL enhancements in Microsoft SQL Server 2014 and SQL Server 2012. Write faster, more efficient T-SQL code: Move from procedural programming to the language of sets and logic Master an efficient top-down tuning methodology Assess algorithmic complexity to predict performance Compare data aggregation techniques, including new grouping sets Efficiently perform data-analysis calculations Make the most of T-SQL's optimized bulk import tools Avoid date/time pitfalls that lead to buggy, poorly performing code Create optimized BI statistical queries without additional software Use programmable objects to accelerate queries Unlock major performance improvements with In-Memory OLTP Master useful and elegant approaches to manipulating graphs About This Book For experienced T-SQL practitioners Includes coverage updated from Inside Microsoft SQL Server 2008 T-SQL Querying and Inside Microsoft SQL Server 2008 T-SQL Programming Valuable to developers, DBAs, BI professionals, and data scientists Covers many MCSE 70-464 and MCSA/MCSE 70-461 exam topics

A resilient storage network is an environment where data is always available for the needs of the business. This book explains the components, as well as how to design and implement a resilient storage network for workgroup, departmental, and enterprise environments. Storage networks are an enabling capability combining technology and best practices to provide the foundation to support information technology systems and applications. Storage networks can be of various sizes, shapes, and technologies. This book shows you how to implement a resilient storage network infrastructure using different technologies including ATM, DWDM, FCIP, Fibre Channel, FICON, iFCP, InfiniBand, IP, iSCSI, Life Cycle Management, NAS, Object Based Storage, RAID, RDMA, Remote Mirroring, Replication, SAN, SCSI, SMI-S, SONET/SDH, Storage Services, Tape, Virtualization, and Volume Managers. *Important information is clarified and put into context to separate myths and realities *Covers storage networking technologies (hardware, software, networks) and practices *Numerous tips and recommendations allow the reader to quickly understand best practices *Checklists, templates and examples show potential solutions

This Companion presents the current state of criticism in the field of American fiction from the earliest declarations of nationhood to secession and civil war. Draws heavily on historical and cultural contexts in its consideration of American fiction Relates the fiction of the period to conflicts about territory and sovereignty and to issues of gender, race, ethnicity and identity Covers different forms of fiction, including children's literature, sketches, polemical pieces, historical romances, Gothic novels and novels of exploration Considers both canonical and lesser-known authors, including James Fennimore Cooper, Hannah Foster, Nathaniel Hawthorne, Herman Melville and Harriet Beecher Stowe Treats neglected topics, such as the Western novel, science and the novel, and American fiction in languages other than English

This long-awaited follow-up to Newbery Honor winner Princess Academy hit the New York Times bestseller list in the first week of US publication. A rich and compelling fantasy about one girl's journey to discover where her home and heart truly belong in a divided world is reminiscent of the best writing by authors like Eva Ibbotson and Cornelia Funke. With a chance to study at the university and live at the Queen's Castle, Miri leaves village life and is thrust into the bustling chaos of the city. Her best friend, Britta, has been chosen by the Prince of Asland to be his bride, and the royal wedding is fast approaching. But helping Britta prepare for her future is not an easy task. When Miri discovers a

secret plot against the royal court - which is motivated by good - she feels torn. Will she choose loyalty to the princess, or reform for the people? As Miri struggles to resolve this dilemma in her own mind, her heart is suffering: an old love comforts her; a new crush consumes her; she yearns for her homeland. Can Miri find her way in this new place, or will she be considered a traitor? The fate of the kingdom is at stake.

When his 12-year-old nephew Seth is dropped off on his doorstep, rancher Josh King, who knows how to run a multi-million dollar business, but knows nothing about adolescent boys, hires former classmate and teacher Cara Donovan to tutor Seth and learns a valuable lesson in love. Original.

Kate Winter teaches dog owners how to train their canine companions. During her spare time, accompanied by her Lab, Dakota, she explores the woods and beaches on foot or horseback. She's worried that something's happening in her relationship, but she can't get her girlfriend Trish to talk to her about it. Faith Hutchins recently lost her sight after a terrible outdoor accident. She's dealt with her anger, depression, and blindness primarily on her own. A seeing-eye dog would help alleviate her reliance on anyone else, but the guide dog school has been unsuccessful in providing her with one. On a mission to find someone who will train a dog specifically for her, she ultimately zeroes in on Kate. They say lightning never strikes the same place twice. But positive lightning is notoriously unpredictable and can ignite a fire when and where least expected . . . no matter who's in its path."

As more companies move toward microservices and other distributed technologies, the complexity of these systems increases. You can't remove the complexity, but through Chaos Engineering you can discover vulnerabilities and prevent outages before they impact your customers. This practical guide shows engineers how to navigate complex systems while optimizing to meet business goals. Two of the field's prominent figures, Casey Rosenthal and Nora Jones, pioneered the discipline while working together at Netflix. In this book, they expound on the what, how, and why of Chaos Engineering while facilitating a conversation from practitioners across industries. Many chapters are written by contributing authors to widen the perspective across verticals within (and beyond) the software industry. Learn how Chaos Engineering enables your organization to navigate complexity Explore a methodology to avoid failures within your application, network, and infrastructure Move from theory to practice through real-world stories from industry experts at Google, Microsoft, Slack, and LinkedIn, among others Establish a framework for thinking about complexity within software systems Design a Chaos Engineering program around game days and move toward highly targeted, automated experiments Learn how to design continuous collaborative chaos experiments

The modelling of ocean circulation is important not only for its own sake, but also in terms of the prediction of weather patterns and the effects of climate change. This 2007 book introduces the basic computational techniques necessary for all models of the ocean and atmosphere, and the conditions they must satisfy. It describes the workings of ocean models, the problems that must be solved in their construction, and how to evaluate computational results. Major emphasis is placed on examining ocean models critically, and determining what they do well and what they do poorly. Numerical analysis is introduced as needed, and exercises are included to illustrate major points. Developed from notes for a course taught in physical oceanography at the College of Oceanic and Atmospheric Sciences at Oregon State University, this book is ideal for graduate students of oceanography, geophysics, climatology and atmospheric science, and researchers in oceanography and atmospheric science.

Aims of the Book:The foremost and primary aim of the book is to meet the requirements of students pursuing following courses of study:1.Diploma in Electronics and Communication Engineering(ECE)-3-year course offered by various Indian and foreign polytechnics and technical institutes like city and guilds of London Institute(CGLI).2.B.E.(Elect.& Comm.)-4-year course offered by various Engineering Colleges.efforts have beenmade to cover the papers:Electronics-I & II and Pulse and Digital Circuits.3.B.Sc.(Elect.)-3-Year vocationalised course recently introduced by Approach.

Securing the Cloud is the first book that helps you secure your information while taking part in the time and cost savings of cloud computing. As companies turn to burgeoning cloud computing technology to streamline and save money, security is a fundamental concern. The cloud offers flexibility, adaptability, scalability, and in the case of security - resilience. Securing the Cloud explains how to make the move to the cloud, detailing the strengths and weaknesses of securing a company's information with different cloud approaches. It offers a clear and concise framework to secure a business' assets while making the most of this new technology. This book considers alternate approaches for securing a piece of the cloud, such as private vs. public clouds, SaaS vs. IaaS, and loss of control and lack of trust. It discusses the cloud's impact on security roles, highlighting security as a service, data backup, and disaster recovery. It also describes the benefits of moving to the cloud - solving for limited availability of space, power, and storage. This book will appeal to network and security IT staff and management responsible for design, implementation and management of IT structures from admins to CSOs, CTOs, CIOs and CISOs. Named The 2011 Best Identity Management Book by InfoSec Reviews Provides a sturdy and stable framework to secure your piece of the cloud, considering alternate approaches such as private vs. public clouds, SaaS vs. IaaS, and loss of control and lack of trust Discusses the cloud's impact on security roles, highlighting security as a service, data backup, and disaster recovery Details the benefits of moving to the cloud-solving for limited availability of space, power, and storage

One of the hottest topics in computer forensics today, electronic discovery (e-discovery) is the process by which parties involved in litigation respond to requests to produce electronically stored information (ESI). According to the 2007 Socha-Gelbmann Electronic Discovery Survey, it is now a $2 billion industry, a 60% increase from 2004, projected to double by 2009. The core reason for the explosion of e-discovery is sheer volume; evidence is digital and 75% of modern day lawsuits entail e-discovery. A recent survey reports that U.S. companies face an average of 305 pending lawsuits internationally. For large U.S. companies ($1 billion or more in revenue)that number has soared to 556 on average, with an average of 50 new disputes emerging each year for nearly half of them. To properly manage the role of digital information in an investigative or legal setting, an enterprise--whether it is a Fortune 500 company, a small accounting firm or a vast government agency--must develop an effective electronic discovery program. Since the amendments to the Federal Rules of Civil Procedure, which took effect in December 2006, it is even more vital that the lifecycle of electronically stored information be understood and properly managed to avoid risks and costly mistakes. This books holds the keys to success for systems administrators, information security and other IT department personnel who are charged with aiding the e-discovery process. *Comprehensive resource for corporate technologists, records

managers, consultants, and legal team members to the e-discovery process, with information unavailable anywhere else *Offers a detailed understanding of key industry trends, especially the Federal Rules of Civil Procedure, that are driving the adoption of e-discovery programs *Includes vital project management metrics to help monitor workflow, gauge costs and speed the process

The Perfect Reference for the Multitasked System Administrators The new version of Exchange is an ambitious overhaul that tries to balance the growing needs for performance, cost effectiveness, and security. For the average system administrator, it will present a difficult migration path from earlier versions and a vexing number of new features. How to Cheat will help you get Exchange Server 2007 up and running as quickly and safely as possible. • Understand Exchange 2007 Prerequisites Review hardware and software requirements, Active Directory requirements, and more. • Manage Recipient Filtering Create a custom MMC that contains the Exchange 2007 Recipients work center, which can be used, for example, by the helpdesk staff in your organization. • Manage Outlook Anywhere Outlook Anywhere makes it possible for your end users to remotely access their mailboxes from the Internet using their full Outlook clients. • Manage Outlook Web Access 2007 See how Outlook Web Access 2007 was completely rewritten in managed code to make it scale even better. • Use the Exchange 2007 Queue Viewer You can now view information about queues and examine the messages held within them. • Master Powerful Out-of-the-Box Spam Protection The Edge Transport server supports SMTP, provides several antispam filtering agents, and supports antivirus extensibility. • Manage a Single-Copy Cluster-Based Setup SCC-based cluster provides service failover and still has a single point of failure when it comes to the databases. • Recover Mailbox Databases Use the improved database portability feature to port and recover a Mailbox database to any server in the Exchange 2007 organization. Essential information for the multi-tasked System Administrator charged perform everyday tasks Includes the latest coverage of the major new release of Exchange Server Emphasizes best-practice security measures for all areas and in particular the area of remote access via Outlook

Chapter 1: Introduction -- Chapter 2: Infrastructure as a Service -- Chapter 3: Platform as a Service -- Chapter 4: Application as a Service -- Chapter 5: Paradigms for Developing Cloud Applications -- Chapter 6: Addressing the Cloud Challenges -- Chapter 7: Security -- Chapter 8: Managing the Cloud Infrastructure -- Chapter 9: Related Technologies -- Chapter 10: Future trends and Research Directions.

Essay from the year 2018 in the subject Business economics - Business Management, Corporate Governance, grade: 3, , course: Management, language: English, abstract: This is a fine description of the initiatives taken by the Prime minister of India and about how his leadership style is unique as well as versatile. Here an attempt has been made to establish a correlation between Prime Minister Narendra Modi's leadership style and self-organizing leadership style. His visions and initiatives have been discussed closely analyzing his leadership style. Different leadership styles and some leadership traits are stated. A different style of leadership for example self-organizing leadership has been discussed and an attempt is made to analyze and establish correlation with the leadership style of Prime Minister Narendra Modi. Leadership is usually used as a measuring tool for organizational success. All the responsibility of a successful leadership lies on the shoulder of a leader. A failed organization marks with the failure of an unsuccessful leadership. Here overview of leadership and successful traits of a leader followed by theories and styles of leadership have been discussed. Here a different concept on leadership already proposed is discussed. Self-organized leadership has been introduced here with an intension of change to be experimented by leaders and organizations for more success. Self-organized leadership will adapt the principles prevailing in the nature for seamless organization and leadership. I have tried to correlate the vision and leadership style of honourable Prime Minister Narendra Modi with self-organizing leadership style. Other Reads by the Author The Trial of Hope (Amazon) An Alien Land (Kobo) 2 Moms (Kobo) Unfolding Disaster (Kobo) Walk to School (Kobo) 51 Points in Raising Awesome Kids (Kobo) Organic IT Infrastructure Planning and Implementation (Amazon) Grin Books Positive Employee Recruitment and Retention Vital for Organizations Digital India Mission. Implications on Social Inclusion and Digital Citizenship Cloud Computing. DDoS, Blockchain, Regulation and Compliance Organic eLearning (OE-Learning) The Way of Prime Minister Narendra Modi's Leadership Feasibility Study between Continuous Adaptive Risk and Trust Assessment and Organic Networks I am my supervisor's slave: Supervisor subordinate relationship is vital for organizational efficiency Brands and their Shockvertisement Strategies The Future of Blockchain in Banking Social Media Marketing: Author's Quandary Decoded (Amazon)

When you don't believe in yourself, everything is more difficult. 100 Ways to Boost Your Self-Confidence will literally help you change your life by changing the way you feel about yourself. Not only will you have faith in who you really are, but the people you love and work with will believe in you as well. 100 Ways to Boost Your Self-Confidence will show you how to: Discover the essence of your personal power and belief in yourself. Create the life you want with practical "feel good" behaviors. Reduce your doubts, increase your self-worth and make your world a better place. Improve the quality of your relationships by changing the way you think about yourself and how others think about you. Become your best self by employing these easy-to-use techniques.

This book is designed to introduce you to using containers and Kubernetes for full-stack development. You'll learn how to develop a full-stack application using Node.js and MongoDB and how to and manage them using Docker, then Docker Compose, and finally Kubernetes.

From its humble beginnings in Germany, SAP skyrocketed to become a global powerhouse and the technology backbone for tens of thousands of enterprises. The economy around it grew even faster, and "SAP Nation" now approaches the GDP of Ireland in size. This book documents both trajectories, based on decades of research and interviews of hundreds of customers, market analysts and competitors. SAP's influence has declined in the last decade, as enterprises invest in cloud, social, analytical and mobile technologies and in custom development of "systems of advantage" in their products, channels and business models. Yet, shockingly, customer spending in SAP Nation remains stubbornly high. The model in the book estimates post-recession investment at more than one trillion dollars (yes). This book brings out loudly the voice of SAP customers as they cope with this runaway economy. Twenty-five case studies showcase a spectrum of strategies - some are "ring fencing" SAP with Workday, others are switching maintenance to Rimini Street, yet others are in-sourcing, while still others are evaluating newer SAP products like HANA and acquisitions like Concur. Part root cause analysis and part strategy manual, this book is a must-read for anyone with interest in SAP - as customer, employee, partner, investor or competitor. It is a fast-paced look at decades of what SAP has done well, and what it could have done better. Executives everywhere, even those in non-SAP

settings, will benefit from the strategies described in the book to migrate inefficient back-office IT dollars to front-office innovation.

Prime minister of India Manmohan Singh has been accused of changing ministerial portfolios at the behest of the Reliance group. There have been claims that the group deliberately 'squatted' on reserves of natural gas and curtailed production in anticipation of higher prices that are administered by the government, to the detriment of the interests of the country's people. Spokespersons of the group deny these alligations and contend that gas output from the Krishna-Godavari basin came down on account of unforeseen adverse geological surprises. Sections within the Indian government do not buy these arguments. The Comptroller and Auditor General of India has alleged, among other things, that the contract between the government and Reliance Industries Limited is deeply flawed, thereby encouraging excessive capital expenditure and lowering potential benefits to the exchequer. With painstaking research, a meticulous perusal of press reports, as well as a few surprising exclusives, Gas Wars highlights cases of crony capitalism that allowed the Reliance group to blatantly exploit loopholes which were consciously retained in the system to benefit it. The book points out how, even when laws and policies appeared fair, rational, and reasonable, the way in which these rules and procedures were framed and implemented by bureaucrats acting at the behest of their political masters exposed the deep nexus between business and politics in India. Even as Gas Wars tells the story of how a corporate conglomerate, in this case the country's largest, has benefited from the way government policies are structured, it lays bare the alarming facts of a natural disaster waiting to happen due to the ruthless exploitation of the country's natural resources in order to swell the fortunes of a few. The book also highlights the examples of those within the government establishment who have refused to be intimidated by the rich and the powerful, and who have against all odds valiantly attempted to uphold the interests of the people of India.

In this remarkably illustrative and thoroughly accessible look at one of the most intriguing frontiers in science and computers, award-winning New York Times writer George Johnson reveals the fascinating world of quantum computing—the holy grail of super computers where the computing power of single atoms is harnassed to create machines capable of almost unimaginable calculations in the blink of an eye. As computer chips continue to shrink in size, scientists anticipate the end of the road: A computer in which each switch is comprised of a single atom. Such a device would operate under a different set of physical laws: The laws of quantum mechanics. Johnson gently leads the curious outsider through the surprisingly simple ideas needed to understand this dream, discussing the current state of the revolution, and ultimately assessing the awesome power these machines could have to change our world.

Software-Defined Data Infrastructures Essentials provides fundamental coverage of physical, cloud, converged, and virtual server storage I/O networking technologies, trends, tools, techniques, and tradecraft skills. From webscale, software-defined, containers, database, key-value store, cloud, and enterprise to small or medium-size business, the book is filled with techniques, and tips to help develop or refine your server storage I/O hardware, software, and services skills. Whether you are new to data infrastructures or a seasoned pro, you will find this comprehensive reference indispensable for gaining as well as expanding experience with technologies, tools, techniques, and trends. We had a front row seat watching Greg present live in our education workshop seminar sessions for ITC professionals in the Netherlands material that is in this book. We recommend this amazing book to expand your converged and data infrastructure knowledge from beginners to industry veterans. —Gert and Frank Brouwer, Brouwer Storage Consultancy Software-Defined Data Infrastructures Essentials provides the foundational building blocks to improve your craft in serval areas including applications, clouds, legacy, and more. IT professionals, as well as sales professionals and support personnel, stand to gain a great deal by reading this book.—Mark McSherry, Oracle Regional Sales Manager Looking to expand your data infrastructure IQ? From CIOS to operations, sales to engineering, this book is a comprehensive reference, a must read for IT infrastructure professionals, beginners to seasoned experts.—Tom Becchetti, Advisory Systems Engineer Greg Schulz has provided a complete 'toolkit' for storage management along with the background and framework for the storage or data infrastructure professional or those aspiring to become one.—Greg Brunton, Experienced Storage and Data Management Professional

Harness Kubernetes' extensibility to deploy modern patterns and learn to effectively handle production issues Key Features Build and run efficient cloud-native applications on Kubernetes using industry best practices Operate Kubernetes in a production environment, troubleshoot clusters, and address security concerns Deploy cutting-edge Kubernetes patterns such as service mesh and serverless to your cluster Book Description Kubernetes is a modern cloud native container orchestration tool and one of the most popular open source projects worldwide. In addition to the technology being powerful and highly flexible, Kubernetes engineers are in high demand across the industry. This book is a comprehensive guide to deploying, securing, and operating modern cloud native applications on Kubernetes. From the fundamentals to Kubernetes best practices, the book covers essential aspects of configuring applications. You'll even explore real-world techniques for running clusters in production, tips for setting up observability for cluster resources, and valuable troubleshooting techniques. Finally, you'll learn how to extend and customize Kubernetes, as well as gaining tips for deploying service meshes, serverless tooling, and more on your cluster. By the end of this Kubernetes book, you'll be equipped with the tools you need to confidently run and extend modern applications on Kubernetes. What you will learn Set up Kubernetes and configure its authentication Deploy your applications to Kubernetes Configure and provide storage to Kubernetes applications Expose Kubernetes applications outside the cluster Control where and how applications are run on Kubernetes Set up observability for Kubernetes Build a continuous integration and continuous deployment (CI/CD) pipeline for Kubernetes Extend Kubernetes with service meshes, serverless, and more Who this book is for This book is for developers, architects, DevOps engineers, or anyone interested in developing and managing cloud-native applications. Those already running cloud applications and looking for a better way to manage their platform or others interested in a career change given the recent popularity of Kubernetes will also find this book helpful. Some familiarity with cloud computing, containers and DevOps is required, but no prior knowledge of building production applications using Kubernetes is needed to get started with this book.

Since the first edition of Security and Loss Prevention was published in 1983, much has changed in security and loss prevention considerations. In the past five years alone, security awareness and the need for added business continuity and preparedness considerations has been uniquely highlighted given events such as Katrina, 9/11, the formation of the Department of Homeland Security, and the increase in world terrorist events. This edition of Security and Loss Prevention is fully updated and encompasses the breadth and depth of considerations involved in implementing general loss prevention concepts and security programs within an organization. The book provides proven strategies to prevent and reduce incidents of loss due to legal issues, theft and other crimes, fire, accidental or intentional harm from employees, as well as the many ramifications of corporate mismanagement. The new edition contains a brand new

terrorism chapter, along with coverage on background investigations, protection of sensitive information, internal threats, and considerations at select facilities (nuclear, DoD, government and federal). Author Philip Purpura once again demonstrates why students and professionals alike rely on this best-selling text as a timely, reliable resource. - Covers the latest professional security issues surrounding Homeland Security and risks presented by threats of terrorism - Recommended reading for ASIS International's prestigious CPP Certification - Cases provide real-world applications

Understand and implement VMware Virtual SAN: the heart of tomorrow's Software-Defined Datacenter (SDDC) VMware's breakthrough Software-Defined Datacenter (SDDC) initiative can help you virtualize your entire datacenter: compute, storage, networks, and associated services. Central to SDDC is VMware Virtual SAN (VSAN): a fully distributed storage architecture seamlessly integrated into the hypervisor and capable of scaling to meet any enterprise storage requirement. Now, the leaders of VMware's wildly popular Virtual SAN previews have written the first authoritative guide to this pivotal technology. You'll learn what Virtual SAN is, exactly what it offers, how to implement it, and how to maximize its value. Writing for administrators, consultants, and architects, Cormac Hogan and Duncan Epping show how Virtual SAN implements both object-based storage and a policy platform that simplifies VM storage placement. You'll learn how Virtual SAN and vSphere work together to dramatically improve resiliency, scale-out storage functionality, and control over QoS. Both an up-to-the-minute reference and hands-on tutorial, Essential Virtual SAN uses realistic examples to demonstrate Virtual SAN's most powerful capabilities. You'll learn how to plan, architect, and deploy Virtual SAN successfully, avoid gotchas, and troubleshoot problems once you're up and running. Coverage includes Understanding the key goals and concepts of Software-Defined Storage and Virtual SAN technology Meeting physical and virtual requirements for safe Virtual SAN implementation Installing and configuring Virtual SAN for your unique environment Using Storage Policy Based Management to control availability, performance, and reliability Simplifying deployment with VM Storage Policies Discovering key Virtual SAN architectural details: caching I/O, VASA, witnesses, pass-through RAID, and more Ensuring efficient day-to-day Virtual SAN management and maintenance Interoperating with other VMware features and products Designing and sizing Virtual SAN clusters Troubleshooting, monitoring, and performance optimization

Publisher Description

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

In June 2019, the Committee on the Judiciary initiated a bipartisan investigation into the state of competition online, spearheaded by the Subcommittee on Antitrust, Commercial and Administrative Law. As part of a top-to-bottom review of the market, the Subcommittee examined the dominance of Amazon, Apple, Facebook, and Google, and their business practices to determine how their poweraffects our economy and our democracy. Additionally, the Subcommittee performed a review of existing antitrust laws, competition policies, and current enforcement levels to assess whether they areadequate to address market power and anticompetitive conduct in digital markets. Over the course of our investigation, we collected extensive evidence from these companies aswell as from third parties-totaling nearly 1.3 million documents. We held seven hearings to review the effects of market power online-including on the free and diverse press, innovation, and privacy-and a final hearing to examine potential solutions to concerns identified during the investigation and to inform this Report's recommendations. A year after initiating the investigation, we received testimony from the Chief ExecutiveOfficers of the investigated companies: Jeff Bezos, Tim Cook, Mark Zuckerberg, and Sundar Pichai. For nearly six hours, we pressed for answers about their business practices, including about evidence concerning the extent to which they have exploited, entrenched, and expanded their power over digitalmarkets in anticompetitive and abusive ways. Their answers were often evasive and non-responsive, raising fresh questions about whether they believe they are beyond the reach of democratic oversight. Although these four corporations differ in important ways, studying their business practices hasrevealed common problems

Investigation Of Competition In Digital MarketsMajority Staff Report And RecommendationsNimble Books

Network Storage: Tools and Technologies for Storing Your Company's Data explains the changes occurring in storage, what they mean, and how to negotiate the minefields of conflicting technologies that litter the storage arena, all in an effort to help IT managers create a solid foundation for coming decades. The book begins with an overview of the current state of storage and its evolution from the network perspective, looking closely at the different protocols and connection schemes and how they differentiate in use case and operational behavior. The book explores the software changes that are motivating this evolution, ranging from data management, to in-stream processing and storage in virtual systems, and changes in the decades-old OS stack. It explores Software-Defined Storage as a way to construct storage networks, the impact of Big Data, high-performance computing, and the cloud on storage networking. As networks and data integrity are intertwined, the book looks at how data is split up and moved to the various appliances holding that dataset and its impact. Because data security is often neglected, users will find a comprehensive discussion on security issues that offers remedies that can be applied. The book concludes with a look at technologies on the horizon that will impact storage

and its networks, such as NVDIMMs, The Hybrid Memory Cube, VSANs, and NAND Killers. Puts all the new developments in storage networking in a clear perspective for near-term and long-term planning Offers a complete overview of storage networking, serving as a go-to resource for creating a coherent implementation plan Provides the details needed to understand the area, and clears a path through the confusion and hype that surrounds such a radical revolution of the industry

'... a very good balance between the theory and practice of real-time embedded system designs.' —Jun-ichiro itojun Hagino, Ph.D., Research Laboratory, Internet Initiative Japan Inc., IETF IPv6 Operations Working Group (v6ops) co-chair 'A cl

Sybex's proven Study Guide format teaches Google Cloud Architect job skills and prepares you for this important new Cloud exam. The Google Cloud Certified Professional Cloud Architect Study Guide is the essential resource for anyone preparing for this highly sought-after, professional-level certification. Clear and accurate chapters cover 100% of exam objectives—helping you gain the knowledge and confidence to succeed on exam day. A pre-book assessment quiz helps you evaluate your skills, while chapter review questions emphasize critical points of learning. Detailed explanations of crucial topics include analyzing and defining technical and business processes, migration planning, and designing storage systems, networks, and compute resources. Written by Dan Sullivan—a well-known author and software architect specializing in analytics, machine learning, and cloud computing—this invaluable study guide includes access to the Sybex interactive online learning environment, which includes complete practice tests, electronic flash cards, a searchable glossary, and more. Providing services suitable for a wide range of applications, particularly in high-growth areas of analytics and machine learning, Google Cloud is rapidly gaining market share in the cloud computing world. Organizations are seeking certified IT professionals with the ability to deploy and operate infrastructure, services, and networks in the Google Cloud. Take your career to the next level by validating your skills and earning certification. Design and plan cloud solution architecture Manage and provision cloud infrastructure Ensure legal compliance and security standards Understand options for implementing hybrid clouds Develop solutions that meet reliability, business, and technical requirements The Google Cloud Certified Professional Cloud Architect Study Guide is a must-have for IT professionals preparing for certification to deploy and manage Google cloud services.

Apply Kubernetes beyond the basics of Kubernetes clusters by implementing IAM using OIDC and Active Directory, Layer 4 load balancing using MetalLB, advanced service integration, security, auditing, and CI/CD Key Features Find out how to add enterprise features to a Kubernetes cluster with theory and exercises to guide you Understand advanced topics including load balancing, externalDNS, IDP integration, security, auditing, backup, and CI/CD Create development clusters for unique testing requirements, including running multiple clusters on a single server to simulate an enterprise environment Book Description Containerization has changed the DevOps game completely, with Docker and Kubernetes playing important roles in altering the flow of app creation and deployment. This book will help you acquire the knowledge and tools required to integrate Kubernetes clusters in an enterprise environment. The book begins by introducing you to Docker and Kubernetes fundamentals, including a review of basic Kubernetes objects. You'll then get to grips with containerization and understand its core functionalities, including how to create ephemeral multinode clusters using kind. As you make progress, you'll learn about cluster architecture, Kubernetes cluster deployment, and cluster management, and get started with application deployment. Moving on, you'll find out how to integrate your container to a cloud platform and integrate tools including MetalLB, externalDNS, OpenID connect (OIDC), pod security policies (PSPs), Open Policy Agent (OPA), Falco, and Velero. Finally, you will discover how to deploy an entire platform to the cloud using continuous integration and continuous delivery (CI/CD). By the end of this Kubernetes book, you will have learned how to create development clusters for testing applications and Kubernetes components, and be able to secure and audit a cluster by implementing various open-source solutions including OpenUnison, OPA, Falco, Kibana, and Velero. What you will learn Create a multinode Kubernetes cluster using kind Implement Ingress, MetalLB, and ExternalDNS Configure a cluster OIDC using impersonation Map enterprise authorization to Kubernetes Secure clusters using PSPs and OPA Enhance auditing using Falco and EFK Back up your workload for disaster recovery and cluster migration Deploy to a platform using Tekton, GitLab, and ArgoCD Who this book is for This book is for anyone interested in DevOps, containerization, and going beyond basic Kubernetes cluster deployments. DevOps engineers, developers, and system administrators looking to enhance their IT career paths will also find this book helpful. Although some prior experience with Docker and Kubernetes is recommended, this book includes a Kubernetes bootcamp that provides a description of Kubernetes objects to help you if you are new to the topic or need a refresher.

Why a book about logs? That's easy: the humble log is an abstraction that lies at the heart of many systems, from NoSQL databases to cryptocurrencies. Even though most engineers don't think much about them, this short book shows you why logs are worthy of your attention. Based on his popular blog posts, LinkedIn principal engineer Jay Kreps shows you how logs work in distributed systems, and then delivers practical applications of these concepts in a variety of common uses—data integration, enterprise architecture, real-time stream processing, data system design, and abstract computing models. Go ahead and take the plunge with logs; you're going love them. Learn how logs are used for programmatic access in databases and distributed systems Discover solutions to the huge data integration problem when more data of more varieties meet more systems Understand why logs are at the heart of real-time stream processing Learn the role of a log in the internals of online data systems Explore how Jay Kreps applies these ideas to his own work on data infrastructure systems at LinkedIn

Analyze tabular data using the BI Semantic Model (BISM) in SQL Server 2012 Analysis Services--and discover a simpler method for creating corporate-level BI solutions. Led by three BI experts, you'll learn how to build, deploy, and query a BISM tabular model with step-by-step guides, examples, adn best practices. This hands-on book shows you how the tabular model's in-memory database enables you to perform rapid analytics--whether you're a professional BI developer new to Analysis Services or already familiar with its multidimensional model --

In a completely thoroughly edition of 'An A-Z of English Grammar and Usage' - an established favourite among teachers - Geoffrey leech and his colleagues provide teachers and learners of English with a unique reference grammar. Accessible, easy-to-use, dictionary-like format. Comprehensive coverage of English grammar in over 600 fully cross-referenced entries. - common grammatical key words, such as 'more', 'what'', 'unless' 'can'. - Main terms for talking about grammar, meaning and usage, such as 'indirect object', 'pronoun', 'tag question'. - Extra language and communicative ehelp, such as 'greetings', 'introductions', 'punctuation', 'letter writing', e-mails'. Simple and clear explanations, supported by real-life examples, diagrams, and entertaining new illustrations Helpful notes on style, intonation, and British and American usage.