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 26th International Conference, ICIST 2020, Kaunas, Lithuania, October 15-17, 2020, Proceedings
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 Engineering Dynamics
 Pharmacology for Anaesthesia and Intensive Care
 PC World
 Building HPE Server Solutions
 Consolidation, Virtualization, Efficiency, and ROI in the Data Center
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 VMware vSphere 6.x Datacenter Design Cookbook
 InfoWorld
 Distributed Computing and Internet Technology
 Second TPC Technology Conference, TPCTC 2010, Singapore, September 13-17, 2010. Revised Selected Papers
 OpenBoot Command Reference
 PC Mag
 VMware vSphere 5.x Datacenter Design Cookbook
 Advances in Emerging Trends and Technologies
 Official Certification Study Guide (Exam HPE0-V14)
 Planning and Securing Virtualization Servers
 VMware ESX and ESXi in the Enterprise
 Mastering VMware vSphere 6.7
 Advances in Internet, Data and Web Technologies
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 A Problem-Solution Approach

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Information and Software Technologies Springer Nature
 Remain highly competitive in the server and VM market by
 gaining the practical skills needed to operate Nano Server About
 This Book The days of the local server are numbered, and this
 book will make you an ace by giving you the skills needed to
 administer Nano Server and survive in the brave new server
 world Learn to quickly automate multiple VMs and support Hyper-
 V clusters, all through small footprints from a single host Apply
 up-to-date, real-world examples presented in this book and
 improve the scalability and efficiency of large-scale VM
 deployments Who This Book Is For This book opens up new
 potential for both developers and IT pros alike. The book is
 primarily for Server administrators and IT Professionals who
 would like to deploy and administer Nano Server within their
 organizations, and for developers who are trying to make
 maximal use of Server Containers and Hyper-V Containers with

Nano Servers. What You Will Learn Understand Nano Server
 Deploy Nano Server Deploy Hyper-V Clusters on Nano Server
 Deploy Nano Server with SCVMM Manage Nano Server using
 PowerShell and Remote Server Management Tools Manage Nano
 Server with third-party tools Run Server Containers and Hyper-V
 Containers on Nano Server Troubleshoot Nano Server Validate
 developed applications that run on Nano Server In Detail Nano
 Server allows developers and operations teams to work closely
 together and use containers that package applications so that the
 entire platform works as one. The aim of Nano Server is to help
 applications run the way they are intended to. It can be used to
 run and deploy infrastructures (acting as a compute host, storage
 host, container, or VM guest operating system) without
 consuming significant resources. Although Nano Server isn't
 intended to replace Server 2016 or 2012 R2, it will be an
 attractive choice for developers and IT teams. Want to improve
 your ability to deploy a new VM and install and deploy container
 apps within minutes? You have come to the right place! The
 objective of this book is to get you started with Nano Server
 successfully. The journey is quite exciting, since we are

introducing you to a cutting-edge technology that will revolutionize today's datacenters. We'll cover everything from the basic to advanced topics. You'll discover a lot of added value from using Nano Server, such as hundreds of VM types on a single host through a small footprint, which could be a big plus for you and your company. After reading this book, you will have the necessary skills to start your journey effectively using Nano Server. Style and approach Gauge all the information needed to get up-and-running with the latest Nano Server built by Microsoft using this easy to follow step-by-step guide.

Oracle Exadata Recipes Springer Nature

This book presents original contributions on the theories and practices of emerging Internet, data and web technologies and their applicability in businesses, engineering and academia. The Internet has become the most proliferative platform for emerging large-scale computing paradigms. Among them, data and web technologies are two most prominent paradigms, and manifest in a variety of forms such as data centers, cloud computing, mobile cloud, mobile web services and so on. Together, these technologies form a digital ecosystem based on the data cycle, from capturing to processing, analysis and visualization. The investigation of various research and development issues in this digital ecosystem is made all the more important by the ever-increasing needs of real-life applications, which involve storing and processing large amounts of data. As a key feature, the book addresses advances in the life-cycle exploitation of data generated from the digital ecosystem, and data technologies that create value for businesses, moving toward a collective intelligence approach. Given its scope, the book offers a valuable reference guide for researchers, software developers, practitioners and students interested in the field of data and web technologies.

Implementing the IBM Storwize V7000 Gen2 Springer Science & Business Media

Edward L. Haletky's Complete, Solutions-Focused Guide to Running ESX Server 3.5, vSphere, and VMware 4.x Extensively updated and revised, this is the definitive real-world guide to planning, deploying, and managing VMware ESX Server 3.5, VMware vSphere Hypervisor (ESXi), or VMware vSphere 4.x cloud computing in mission-critical environments. Drawing on his extensive experience consulting on enterprise VMware implementations, renowned expert Edward L. Haletky offers a "soup-to-nuts" collection of field-tested best practices and solutions. He illuminates the real benefits, issues, tradeoffs, and pitfalls associated with VMware's newest platforms, using real-world examples that draw upon both VMware and third-party products. This edition features detailed coverage of new vSphere features such as Storage IO Control, Network IO Control, Load-Based Teaming, Distributed Virtual Switches, ESXi, hardware and processors, and a significantly expanded discussion of auditing and monitoring. Haletky offers new or enhanced coverage of VM Hardware, virtual networking, VMsafe, and more. All new coverage is thoroughly integrated into Haletky's insightful discussion of the entire lifecycle: planning, installation, templates, monitoring, tuning, clustering, security, disaster recovery, and more. Haletky consistently presents the most efficient procedures, whether they use graphical tools or the command line. You'll learn how to:

- Assess VMware datacenter and infrastructure hardware requirements
- Understand technical, licensing, and management differences between ESX/ESXi 3.5 and 4.x
- Plan installation for your environment and identify potential "gotchas"
- Select, configure, utilize, and support storage cost-effectively
- Manage key operational issues associated with virtual infrastructure
- Adapt existing network and security infrastructure to virtualization
- Configure ESX from

host connections

- Configure ESX Server from Virtual Centers or hosts
- Create, modify, and manage VMs (with detailed Windows, Linux, and NetWare examples)
- Troubleshoot VM issues with eDirectory, private labs, firewalls, and clusters
- Utilize vSphere 4.1's improved Dynamic Resource Load Balancing (DRLB)
- Implement disaster recovery, business continuity, and backup
- Plan for vApps and the future of virtualization

VMware ESX and ESXi in the Enterprise has long been the definitive single-source guide to VMware planning, deployment, and management. For today's VMware architects, administrators, and managers, this edition will be even more valuable.

Getting Started with Nano Server Packt Publishing Ltd

This book constitutes the proceedings of the Second Technology Conference on Performance Evaluation and Benchmarking, TPCTC 2010, held in conjunction with the 36th International Conference on Very Large Data Bases, VLDB 2010, in Singapore, September 13-17, 2010. The 14 full papers and two keynote papers were carefully selected and reviewed from numerous submissions. This book considers issues such as appliance; business intelligence; cloud computing; complex event processing; database optimizations; data compression; energy and space efficiency, green computing; hardware innovations; high speed data generation; hybrid workloads; very large memory systems; and virtualization.

Windows Server 2012: Up and Running IGI Global

This book constitutes the proceedings of the 2nd International Conference on Advances in Emerging Trends and Technologies (ICAETT 2020), held in Riobamba, Ecuador, on 26-30 October 2019, proudly organized by Facultad de Informática y Electrónica (FIE) at Escuela Superior Politécnica de Chimborazo and supported by GDEON. ICAETT 2020 brings together top researchers and practitioners working in different domains of computer science to share their expertise and to discuss future developments and potential collaborations. Presenting high-quality, peer-reviewed papers, the book discusses the following topics: Communicationse-Government and e-Participatione-LearningElectronicIntelligent SystemsMachine VisionSecurityTechnology Trends

Linux Journal Pearson Education

A modern vector oriented treatment of classical dynamics and its application to engineering problems.

24th International Conference on Applications of Natural Language to Information Systems, NLDB 2019, Salford, UK, June 26-28, 2019, Proceedings Cambridge University Press

Advances in Emerging Trends and TechnologiesProceedings of ICAETT 2020Springer Nature

VMware vSphere 6.5 Host Resources Deep Dive Pearson Education

Understand Microsoft's dramatically updated new release of its premier toolset for business intelligence The first major update to Microsoft's state-of-the-art, complex toolset for business intelligence (BI) in years is now available and what better way to master it than with this detailed book from key members of the product's development team? If you're a database or data warehouse developer, this is the expert resource you need to build full-scale, multi-dimensional, database applications using Microsoft's new SQL Server 2012 Analysis Services and related tools. Discover how to solve real-world BI problems by leveraging a slew of powerful new Analysis Services features and capabilities. These include the new DAX language, which is a more user-friendly version of MDX; PowerPivot, a new tool for performing simplified analysis of data; BISM, Microsoft's new Business Intelligence Semantic Model; and much more. Serves as an authoritative guide to Microsoft's new SQL Server 2012 Analysis Services BI product and is written by key members of

the Microsoft Analysis Services product development team Covers SQL Server 2012 Analysis Services, a major new release with a host of powerful new features and capabilities Topics include using the new DAX language, a simplified, more user-friendly version of MDX; PowerPivot, a new tool for performing simplified analysis of data; BISM, Microsoft's new Business Intelligence Semantic Model; and a new, yet-to-be-named BI reporting tool Explores real-world scenarios to help developers build comprehensive solutions Get thoroughly up to speed on this powerful new BI toolset with the timely and authoritative Professional Microsoft SQL Server 2012 Analysis Services with MDX.

Technology, Sustainability and Educational Innovation (TSIE) Apress

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.

PC Magazine John Wiley & Sons

VMware ESX Server in the Enterprise Planning and Securing Virtualization Servers The Most Complete, Practical, Solutions-Focused Guide to Running ESX Server 3 VMware ESX Server in the Enterprise is the definitive, real-world guide to planning, deploying, and managing today's leading virtual infrastructure platform in mission-critical environments. Drawing on his extensive experience consulting on large-scale ESX Server implementations, Edward L. Haletky brings together an unprecedented collection of tips, best practices, and field-tested solutions. More than any other author, he illuminates the real issues, tradeoffs, and pitfalls associated with ESX Server—and shows how to make the most of it in your unique environment. Haletky covers the entire lifecycle: planning, installation, system monitoring, tuning, clustering, security, disaster recovery, and much more. Throughout, he supports his recommendations with examples from real-world deployments. He also provides detailed checklists for handling crucial issues such as caching, networking, storage, and hardware selection. Many of his techniques and practices apply to all current virtualization platforms, not just ESX Server. This book will be an indispensable resource for every network architect, administrator, and IT professional who works with virtual servers. ESX Server newcomers will find the soup-to-nuts introduction they desperately need; experienced users will find an unparalleled source of field-tested answers and solutions. In this book, you'll learn how to:

- Identify key differences between ESX v3.x.y and ESX v2.5.x and their implications
- Perform a complete installation—with automated scripting techniques and samples
- Efficiently audit, monitor, and secure ESX Server
- Discover SAN storage pitfalls and solutions—with detailed guidance for specific SANs, switches, and fibre-channel adapters
- Understand ESX Server networking: NIC teaming, vSwitches, network lag, and troubleshooting
- Configure ESX Server via the Management User Interface, Virtual Center client, and command line interface
- Install Windows, Linux, and NetWare VMs: prepare media images, place configuration files, handle sizing and swap files, and more
- Use Dynamic Resource Load Balancing to consistently achieve utilization goals
- Implement effective backup and disaster recovery procedures

Edward L. Haletky owns AstroArch Consulting, Inc., a consultancy specializing in virtualization, security, and networking. He has been rated by his peers on the VMware Discussion Forums as a “virtuoso” for his work in answering VMware security and configuration questions. Prior to establishing AstroArch, Haletky was a member of Hewlett-Packard's Virtualization, Linux, and High-Performance Technical Computing teams. He holds a degree in Aeronautical and Astronautical Engineering from Purdue

University.

InfoWorld Packt Publishing Ltd

From the author of the vSphere Clustering Deep Dive series - The VMware vSphere 6.5 Host Resources Deep Dive is a guide to building consistent high-performing ESXi hosts. A book that people can't put down. Written for administrators, architects, consultants, aspiring VCDX-es and people eager to learn more about the elements that control the behavior of CPU, memory, storage and network resources. This book shows that we can fundamentally and materially improve the systems we're building. We can make the currently running ones consistently faster by deeply understanding and optimizing our systems. The reality is that specifics of the infrastructure matter. Details matter. Especially for distributed platforms which abstract resource layers, such as NSX and vSAN. Knowing your systems inside and out is the only way to be sure you've properly handled those details. It's about having a passion for these details. It's about loving the systems we build. It's about understanding them end-to-end. This book explains the concepts and mechanisms behind the physical resource components and the VMkernel resource schedulers, which enables you to: Optimize your workload for current and future Non-Uniform Memory Access (NUMA) systems. Discover how vSphere Balanced Power Management takes advantage of the CPU Turbo Boost functionality, and why High Performance does not. How the 3-DIMMs per Channel configuration results in a 10-20% performance drop. How TLB works and why it is bad to disable large pages in virtualized environments. Why 3D XPoint is perfect for the vSAN caching tier. What queues are and where they live inside the end-to-end storage data paths. Tune VMkernel components to optimize performance for VXLAN network traffic and NFV environments. Why Intel's Data Plane Development Kit significantly boosts packet processing performance.

Data Center Fundamentals Springer Nature

Unleash the benefits of VMware vSphere 6.7 to provide a powerful, flexible and secure digital infrastructure Key Features Deep dive into areas like management, security, scalability, availability and more with vSphere 6.7 Design, deploy and manage VMware vSphere virtual datacenters Implement monitoring and security of VMware workloads with ease Book Description vSphere 6.7 is the latest release of VMware's industry-leading, virtual cloud platform. It allows organisations to move to hybrid cloud computing by enabling them to run, manage, connect and secure applications in a common operating environment. This up-to-date, 2nd edition provides complete coverage of vSphere 6.7. Complete with step-by-step explanations of essential concepts, practical examples and self-assessment questions, you will begin with an overview of the products, solutions and features of the vSphere 6.7 suite. You'll learn how to design and plan a virtual infrastructure and look at the workflow and installation of components. You'll gain insight into best practice configuration, management and security. By the end the book you'll be able to build your own VMware vSphere lab that can run even the most demanding of workloads. What you will learn Explore the immense functionality of vSphere 6.7 Design, manage and administer a virtualization environment Get tips for the VCP6-DCV and VCIX6-DCV exams Understand how to implement different migration techniques across different environments Explore vSphere 6.7s powerful capabilities for patching, upgrading and managing the configuration of virtual environments. Understand core vSphere components Master resource management, disaster recovery, troubleshooting, monitoring and security Who this book is for This book is for Administrators, Infrastructure Engineers, Architects, and Consultants with basic knowledge of VMware vSphere.

Foundation of Green IT IBM Redbooks

A practical guide packed with step-by-step recipes to design a virtual datacenter using VMware 5.x. This book is a guide for anyone interested in designing virtualized datacenters using VMware vSphere 5.x and the supporting components. Current administrators of VMware vSphere environments will find this book useful when interested in becoming a vSphere Architect or are interested in learning more about the virtual datacenter design process. Knowledge of vSphere installation, configuration, and administration is a prerequisite.

VMware ESX Server in the Enterprise Pearson Education
Discusses how to configure and manage Microsoft Server 2012's expanded capabilities, covering data management, user permissions, networking tools, and data integrity.

Professional Microsoft SQL Server 2012 Analysis Services with MDX and DAX Eureka Imaging Publications

"This book comprehensively discusses design considerations for the truly energy efficient data center." Scott Davis, Chief Data Center Architect, Office of the CTO, VMware, Inc. This Book Isn't About "Evangelizing" Green It: It's About Getting Down in the Trenches and Making It Work In Foundations of Green IT, a team of leading Green IT consultants presents the detailed technical information data center professionals need to systematically identify the right improvements, implement them, maximize savings, and accurately calculate business value. Marty Poniatowski and his team present comprehensive case studies reflecting their unsurpassed Green IT experience, complete with detailed implementation diagrams and performance information. You'll find independent, detailed coverage of solutions from HP, VMware, EMC, Cisco, and other leading vendors, with optimized sample designs and realistic ROI projections. Whether you're a CIO or IT director, architect or administrator, if you want to improve IT efficiency, this is your definitive resource. Three comprehensive, start-to-finish case studies Analyze current environments, set goals, define implementation plans, and calculate ROI for:

- Server and desktop consolidation and virtualization
- Data center backup/recovery/archiving, including replication
- Networking, including VoIP background

Plus practical coverage of these Green IT topics:

- Designing data centers for greater efficiency and lower power usage
- Leveraging cloud computing
- Consolidating Microsoft SQL Server instances
- Reducing PC-related power usage and waste

About CDI, the company behind this book: This book was written collaboratively by many CDI technical experts, led by Marty Poniatowski. CDI is an infrastructure services firm with practices focusing on virtualization, storage, networking, data center design, and other "green" services. It has clients in all industries, notably financial services, pharmaceuticals, and healthcare.

26th International Conference, ICIST 2020, Kaunas, Lithuania, October 15-17, 2020, Proceedings Packt

Publishing Ltd

A new and updated edition of bestselling Mastering VMware vSphere 4 Written by leading VMware expert, this book covers all the features and capabilities of VMware vSphere. You'll learn how to install, configure, operate, manage, and secure the latest release. Covers all the new features and capabilities of the much-anticipated new release of VMware vSphere Discusses the planning, installation, operation, and management for the latest release Reviews migration to the latest vSphere software Offers hands-on instruction and clear explanations with real-world examples Mastering VMware vSphere is the strategic guide you need to maximize the opportunities of virtualization.

The Independent Guide to IBM-standard Personal Computing "O'Reilly Media, Inc."

This book constitutes the refereed proceedings of the 26th International Conference on Information and Software Technologies, ICIST 2020, held in Kaunas, Lithuania, in October 2020. The 23 full papers and 7 short papers presented were carefully reviewed and selected from 78 submissions. The papers are organized in topical sections on business intelligence for information and software system; software engineering; information technology applications.

Engineering Dynamics CNET Networks Inc.

The book is a timely report on advanced methods and applications of computational intelligence systems. It covers a long list of interconnected research areas, such as fuzzy systems, neural networks, evolutionary computation, evolving systems and machine learning. The individual chapters are based on peer-reviewed contributions presented at the 17th Annual UK Workshop on Computational Intelligence, held on September 6-8, 2017, in Cardiff, UK. The book puts a special emphasis on novel methods and reports on their use in a wide range of applications areas, thus providing both academics and professionals with a comprehensive and timely overview of new trends in computational intelligence.

Pharmacology for Anaesthesia and Intensive Care Prentice Hall

This book constitutes the refereed proceedings of the 24th International Conference on Applications of Natural Language to Information Systems, NLDB 2019, held in Salford, UK, in June 2019. The 21 full papers and 16 short papers were carefully reviewed and selected from 75 submissions. The papers are organized in the following topical sections: argumentation mining and applications; deep learning, neural languages and NLP; social media and web analytics; question answering; corpus analysis; semantic web, open linked data, and ontologies; natural language in conceptual modeling; natural language and ubiquitous computing; and big data and business intelligence.

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