Hard Partitioning And Virtualization With Oracle Virtual

VIRGINIA CULLEN

Oracle Solaris 10 System Virtualization Essentials Springer Science & Business Media
This book provides system architects, technical consultants, and IT management the tools to design a system architectures to deploy SAP applications on SAP HANA. Explore production and non-production systems, deployment options, backup and recovery, data replication, high-availability, and virtualization in detail. Dive into on-premise deployment options and data provisioning scenarios. Walk through scale-up and scale-out options and data partitioning considerations. Review the advantages and disadvantages of storage and system replication options and when to use each. Clarify how to leverage HANA for single node and distributed systems. Dive into a discussion on software and hardware virtualization. Compare the options available and guide your decision using flowcharts your organization can leverage to choose the proper technology for your environment and specific needs. This book enables readers to carefully evaluate and implement a well-considered SAP HANA scenario. - SAP HANA sizing, capacity planning guidelines, and data tiering - Deployment options and data provisioning scenarios - Backup and recovery options and procedures - Software and hardware virtualization in SAP HANA

Cloud Computing Fundamentals Packt Publishing Ltd
SAP BW/4HANA has introduced a new era in data warehousing at SAP. Further steps towards simplification, flexibility, and performance are now possible with SAP HANA as the proven technological basis. SAP BW/4HANA offers modern concepts for data management, operation, and modeling and thus opens the door for fully innovative application scenarios. This book will show you how the SAP HANA database influences the Business Warehouse and how you can optimize your system. As a practical guide, the book is aimed at experienced SAP BW experts as well as decision makers who need a well-grounded overview. The authors address the versions SAP BW/4HANA 1.0 and SAP BW 7.5 in equal measure, highlighting new functions and differences. The book also focuses on the migration options and conversion tools for moving to SAP BW/4HANA. Use this reference book to enter the world of SAP BW with SAP HANA as the database platform! - Migration, sizing, operation, data management with SAP BW/4HANA and SAP BW 7.5 on HANA - The new central source

Systems SAP HANA and ODP - New modeling options, mixed scenarios, LSA++, and differences compared to SAP BW 7.5 - The role of BW in operational SAP reporting

On the Move to Meaningful Internet Systems 2007: CoopIS, DOA, ODBASE, GADA, and IS CRC Press

The 2016 2nd International Conference on Energy Equipment Science and Engineering (ICEESE 2016) was held on November 12-14, 2016 in Guangzhou, China. ICEESE 2016 brought together innovative academics and industrial experts in the field of energy equipment science and engineering to a common forum. The primary goal of the conference is to promote research and developmental activities in energy equipment science and engineering and another goal is to promote scientific information interchange between researchers, developers, engineers, students, and practitioners working all around the world. The conference will be held every year to make it an ideal platform for people to share views and experiences in energy equipment science and engineering and related areas. This second volume of the two-volume set of proceedings covers the field of Structural and Materials Sciences, and Computer Simulation & Computer and Electrical Engineering.

Proceedings of the International Conference on Communication and Computing Systems (ICCCS 2016), Gurgaon, India, 9-11 September, 2016 Springer

This SpringerBriefs is an overview of the emerging field of wireless access and mobile network virtualization. It provides a clear and relevant picture of the current virtualization trends in wireless technologies by summarizing and comparing different architectures, techniques and technologies applicable to a future virtualized wireless network infrastructure. The readers are exposed to a short walkthrough of the future Internet initiative and network virtualization technologies in order to understand the potential role of wireless virtualization in the broader context of next-generation ubiquitous networks. Three main wireless virtualization perspectives are explored, along with the potential challenges and requirements of a sustainable wireless virtualization framework. Finally, it presents an example of a multi-perspective wireless virtualization framework. The readers learn the latest concepts in the application of wireless virtualization as well as its relationship with cutting-edge wireless technologies such as software-defined radio (SDR) and cognitive radio.

Advances in Energy Science and Equipment Engineering II Volume 2 VMware Performance and Capacity Management

Exam 70-643, Windows Server 2008 Applications Platform Configuration. The newest iteration of the Microsoft Official Academic Course (MOAC) program for network administration courses using Windows Server 2008 and mapping to the Microsoft Certified Technology Specialist (MCTS) 70-643 certification exam. The MOAC IT Professional series is the Official from Microsoft, turn-key Workforce training program that leads to professional certification and was authored for college instructors and college students. MOAC gets instructors ready to teach and students ready for work by delivering essential resources in 5 key areas: Instructor readiness, student software, student assessment, instruction resources, and learning validation. With the Microsoft Official Academic course program, you are getting instructional support from Microsoft; materials that are current, accurate, and technologically innovative to make course delivery easy. Call one of our MOAC Sales Consultants and request your sample materials today.

Virtualization: A Manager's Guide Elsevier

Server Sprawl and escalating IT costs have managers and system administrators scrambling to find ways to cut costs and reduce Total Cost of Ownership of their physical infrastructure. Combining software applications onto a single server, even if those applications are from the same software vendor, can be dangerous and problems hard to troubleshoot. Virtualization allows you to consolidate many servers onto a single physical server reducing hardware, electrical, cooling, and administrative costs. These virtual servers run completely independent of each other so if one crashes the other are not affected. Planning and implementing a server consolidation is a complex process. This book details the requirements for such a project, includes sample forms and templates, and delivers several physical to virtual migration strategies which will save both time and costs. Readers of this book will easily be able to plan and deploy VMware, Microsoft Virtual Server, and Xen. Create a virtual network to exchange information or provide a service to other virtual machines or computers Use virtualization to support removable media such as CD or DVD optical disks Reduce server costs, administration overhead, and complexity

Oracle Solaris 11 System Virtualization Essentials, Second Edition CRC Press

This book is a collection of accepted papers that were presented at the International Conference on Communication and Computing Systems (ICCCS-2016), Dronacharya College of Engineering, Gurgaon, September 9–11, 2016. The purpose of the conference was to provide a platform for interaction between scientists from industry, academia and other areas of society to discuss the current advancements in the field of communication and computing systems. The papers submitted to the proceedings were peer-reviewed by 2-3 expert referees. This volume contains 5 main subject areas: 1. Signal and Image Processing, 2. Communication & Computer Networks, 3. Soft Computing, Intelligent System, Machine Vision and Artificial Neural Network, 4. VLSI & Embedded System, 5. Software Engineering and Emerging Technologies.

Bilingual Edition: English – German / Zweisprachige Ausgabe: Englisch – Deutsch Endeavor Technologies Inc.

This IBM Redbooks publication discusses z/VM and Linux operations from the perspective of the z/OS programmer or system programmer. Although other books have been written about many of these topics, this book gives enough information about each topic to describe z/VM and Linux on IBM System z operations to somebody who is new to both environments. This book is intended for z/OS programmers and system programmers who are transitioning to the z/VM and Linux on System z environments and who want a translation guide for assistance. We base this book on our experiences using System z10 Enterprise Edition, z/VM version 5.3 RSU 0701, and Novell SUSE Linux Enterprise Server (SLES) 10 on System z.

Network World CRC Press

Master SDDC Operations with proven best practices About This Book Understand the drawbacks of the traditional paradigm and management that make operations difficult in SDDC Master performance and capacity management in Software-Defined Data Center Operationalize performance and capacity monitoring with proven dashboards Who This Book Is For This book is primarily for any system administrator or cloud infrastructure specialist who is interested in performance management and capacity management using VMware technologies. This book will also help IT professionals whose area of responsibility is not VMware, but who work with the VMware team. You can be Windows, Linux, Storage, or Network team; or application architects. Note that prior exposure to the VMware platform of data-center and cloud-based solutions is expected. What You Will Learn Simplify the task of performance and capacity management Master the counters in vCenter and vRealize Operations and understand their dependency on one another Educate your peers and

management on SDDC Operations Complete your SDDC monitoring to include non-VMware components Perform SDDC performance troubleshooting Explore real-life examples of how super metric and advanced dashboards Introduce and implement a Performance SLA Accomplish your Capacity Management by taking into service tiering and performance SLA In Detail Performance management and capacity management are the two top-most issues faced by enterprise IT when doing virtualization. Until the first edition of the book, there was no in-depth coverage on the topic to tackle the issues systematically. The second edition expands the first edition, with added information and reorganizing the book into three logical parts. The first part provides the technical foundation of SDDC Management. It explains the difference between a software-defined data center and a classic physical data center, and how it impacts both architecture and operations. From this strategic view, it zooms into the most common challenges—performance management and capacity management. It introduces a new concept called Performance SLA and also a new way of doing capacity management. The next part provides the actual solution that you can implement in your environment. It puts the theories together and provides real-life examples created together with customers. It provides the reasons behind each dashboard, so that you get the understanding on why it is required and what problem it solves. The last part acts as a reference section. It provides a complete reference to vSphere and vRealize Operations counters, explaining their dependencies and providing practical guidance on the values you should expect in a healthy environment. Style and approach This book covers the complex topic of managing performance and capacity in an easy-to-follow style. It relates real-world scenarios to topics in order to help you implement the book's teachings on the go.

Advanced Techniques for Finance and IT Professionals John Wiley & Sons

If a network is not secure, how valuable is it? Introduction to Computer Networks and Cybersecurity takes an integrated approach to networking and cybersecurity, highlighting the interconnections so that you quickly understand the complex design issues in modern networks. This full-color book uses a wealth of examples and illustrations to effective

John Wiley & Sons

This book constitutes the refereed proceedings of the 9th International Conference on Algorithms and Architectures for Parallel Processing, ICA3PP 2009, held in Taipei, Taiwan, in June 2009. The 80 revised full papers were carefully reviewed and selected from 243 submissions. The papers are organized in topical sections on bioinformatics in parallel computing; cluster, grid and fault-tolerant computing; cluster distributed parallel operating systems; dependability issues in computer networks and communications; dependability issues in distributed and parallel systems; distributed scheduling and load balancing, industrial applications; information security internet; multi-core programming software tools; multimedia in parallel computing; parallel distributed databases; parallel algorithms; parallel architectures; parallel IO systems and storage systems; performance of parallel ditributed computing systems; scientific applications; self-healing, self-protecting and fault-tolerant systems; tools and environments for parallel and distributed software development; and Web service.

From Laptops to Production Rampant TechPress

The book Cloud Computing Fundamentals is intended for both undergraduate and graduate students who seek a quick overview of cloud computing technologies without the need to go into complex technical details. Each chapter is written to provide enough information for students to have a broad picture of the different concepts underlying cloud computing and its applications in the real world. Students will find that attention has been given to keep notes on each topic discussed as concise and precise as possible to impart the necessary knowledge required for a basic understanding of cloud computing. At the end of each chapter, students will also find a summary and review questions that help focus on key points covered. This book can be used as supplementary material for a course in cloud computing.

Developing Essbase Applications IBM Redbooks

What exactly is virtualization? As this concise book explains, virtualization is a smorgasbord of technologies that offer organizations many advantages, whether you're managing extremely large stores of rapidly changing data, scaling out an application, or harnessing huge amounts of computational power. With this guide, you get an overview of the five main types of virtualization technology, along with information on security, management, and modern use cases. Topics include: Access virtualization—Allows access to any application from any device Application virtualization—Enables applications to run on many different operating systems and hardware platforms Processing virtualization—Makes one system seem like many, or many seem like one Network virtualization—Presents an artificial view of the network that differs from the physical reality Storage virtualization—Allows many systems to share the same storage devices, enables concealing the location of storage systems, and more

Big Picture of the Who, What, and Where of Virtualization IBM Redbooks

OpenSolaris is a rapidly evolving operating system with roots in Solaris 10, suitable for deployment on laptops, desktop workstations, storage appliances, and data center servers from the smallest single–purpose systems to the largest enterprise–class systems. The growing OpenSolaris community now has hundreds of thousands of participants and users in government agencies, commercial businesses, and universities, with more than 100 user groups around the world contributing to the use and advancement of OpenSolaris. New releases of OpenSolaris become available every six months, with contributions from both Sun engineers and OpenSolaris community members; this book covers the OpenSolaris 2008.11 release. Pro OpenSolaris was written to demonstrate that you can host your open source applications and solutions on OpenSolaris, taking advantage of its advanced features such as containers and other forms of virtualization, the ZFS file system, and DTrace. It's assumed that you are already fairly knowledgeable about developing on Linux systems, so the authors give an overview of the similarities and differences between Linux and OpenSolaris, and then present details on how to use the Service Management Facility (SMF), ZFS, zones, and even a bit of DTrace. They also provide pointers to the many project communities associated with new OpenSolaris features. Special focus is given to web development using familiar applications such as Apache, Tomcat, and MySQL, along with the NetBeans IDE, and showing you how to exploit some of OpenSolaris's unique technologies.

Microsoft Virtualization with Hyper-V Packt Publishing Ltd

Prepare for a career in network administration using Microsoft Windows 10 with the real-world examples and hands-on activities that reinforce key concepts in MICROSOFT SPECIALIST GUIDE TO MICROSOFT WINDOWS 10. This book also features troubleshooting tips for solutions to common problems that readers will encounter in Windows 10 administration. This book’s in-depth study focuses on all of the functions and features of installing, configuring, and maintaining Windows 10 as a client operating system. Activities let learners experience first-hand the processes involved in Windows 10 configuration and

management. Review Questions reinforce concepts and help readers prepare for the Microsoft certification exam. Case Projects offer a real-world perspective on the concepts introduced in each chapter, helping readers prepare for even the most challenging situations that must be managed in a live networking environment. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Including Vmware, Xen, and Microsoft Virtual Server Apress

This book is based on Red Hat® Enterprise Linux 5 (RHEL 5) and is intended for individuals who plan to take the new Red Hat® Certified Technician (RH202) and/or Red Hat® Certified Engineer (RH302) exams and pass them, want to use it as a quick on-the-job resource or like to learn RHEL from the beginning in an easy-to-understand way. The book has 31 chapters and facilitates readers to grasp concepts, understand implementation procedures, learn command syntax, configuration files and daemons involved, and comprehend troubleshooting. The chapters are divided into four areas: Linux Essentials, RHEL System Administration, RHEL Network and Security Administration, and RHEL Troubleshooting. 01. Linux Essentials (Chapters 1 to 7) covers the basics of Linux. Information provided includes general Linux concepts, basic commands, file manipulation and file security techniques, text file editors, shell features, basic shell and awk programming and other essential topics. These chapters are good for gaining an overall understanding of Linux and cover common skills useful for both exams. 02. RHEL System Administration (Chapters 8 to 19) covers system administration concepts and topics including hardware management, local installation, X Window and desktop managers, software and user/group account administration, disk partitioning using standard, RAID and LVM, file system and swap management, system shutdown and boot procedures, kernel management, backup, restore and compression functions, print services administration, and automation and system logging. These chapters cover objectives outlined for the RH202 exam. 03. RHEL Network and Security Administration (Chapters 20 to 30) covers network and security administration concepts and topics such as OSI and TCP/IP reference models, subnetting and IP aliasing, network interface administration, routing, basic network testing and troubleshooting tools, naming services (DNS, NIS, LDAP) and DHCP; Internet services and electronic mail management, time synchronization with NTP, resource sharing with NFS, AutoFS and Samba, network-based and hands-free automated installation, Apache web server and Squid caching/proxy server, secure shell, PAM, TCP Wrappers, IPTables, NATting, SELinux and recommendations for system hardening. These chapters cover objectives set for the RH302 exam. 04. RHEL Troubleshooting (Chapter 31) covers a number of sample system, network and security troubleshooting scenarios. This chapter covers objectives related to diagnoses and troubleshooting for both exams. The book covers ALL official exam objectives and includes several exercises for exam practice. This book is not a replacement for RHCT®/RHCE® training courses offered by Red Hat, Inc., but may be used to prepare for both the exams. The information contained in this book is not endorsed by Red Hat, Inc. Good Luck on the exams .....

Red Hat® Certified Technician & Engineer (RHCT and RHCE) Training Guide and Administrator's Reference Cengage Learning

Successfully meeting the challenges of combining VMware and Oracle, this comprehensive reference provides a broad spectrum of technological recommendations that demonstrate how to reliably and consistently achieve optimal configuration and maximum performance for any virtualized Oracle database scenario. The guide includes the best practices for virtualized servers, suggested virtualization server configuration, and recommendations for client operating system configuration for Oracle in a virtualized world. With real-world examples and highly applicable advice, this handbook also details the complexities of designing, configuring, maintaining, and tuning Oracle database deployments, making it a complete compendium for keeping virtualized Oracle databases in top form.

HP-UX: HP Certification Systems Administrator, Exam HP0-A01 - Training Guide and Administrator's Reference, 3rd Edition Springer-Verlag

COMMUNICATION NETWORKS AND SERVICE MANAGEMENT IN THE ERA OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING Discover the impact that new technologies are having on communication systems with this up-to-date and one-stop resource Communication Networks and Service Management in the Era of Artificial Intelligence and Machine Learning delivers a comprehensive overview of the impact of artificial intelligence (AI) and machine learning (ML) on service and network management. Beginning with a fulsome description of ML and AI, the book moves on to discuss management models, architectures, and frameworks. The authors also explore how AI and ML can be used in service management functions like the generation of workload profiles, service provisioning, and more. The book includes a handpicked selection of applications and case studies, as well as a treatment of emerging technologies the authors predict could have a significant impact on network and service management in the future. Statistical analysis and data mining are also discussed, particularly with respect to how they allow for an improvement of the management and security of IT systems and networks. Readers will also enjoy topics like: A thorough introduction to network and service management, machine learning, and artificial intelligence An exploration of artificial intelligence and machine learning for management models, including autonomic management, policy-based management, intent based management, and network virtualization-based management Discussions of AI and ML for architectures and frameworks, including cloud systems, software defined networks, 5G and 6G networks, and Edge/Fog networks An examination of AI and ML for service management, including the automatic generation of workload profiles using unsupervised learning Perfect for information and communications technology educators, Communication Networks and Service Management in the Era of Artificial Intelligence and Machine Learning will also earn a place in the libraries of engineers and professionals who seek a structured reference on how the emergence of artificial intelligence and machine learning techniques is affecting service and network management.

A Practical Guide Using Embedded Intel Architecture Espresso Tutorials GmbH

"This book addresses the development of reconfigurable embedded control systems and describes various problems in this important research area, which include static and dynamic (manual or automatic) reconfigurations, multi-agent architectures, modeling and verification, component-based approaches, architecture description languages, distributed reconfigurable architectures, real-time and low power scheduling, execution models, and the implementation of such systems"--

VMware and Microsoft Platforms in the Virtual Data Center IBM Redbooks

This two-volume set LNCS 4803/4804 constitutes the refereed proceedings of the five confederated international conferences on Cooperative Information Systems (CoopIS 2007), Distributed Objects and Applications (DOA 2007), Ontologies, Databases and Applications of Semantics (ODBASE 2007), Grid computing, high

performance and Distributed Applications (GADA 2007), and Information Security (IS 2007) held as OTM 2007 in Vilamoura, Portugal, in November 2007.

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