

Backup And Recovery Best Practices With Veeam Backup

One of the main concerns for digital photographers today is asset management: how to file, find, protect, and re-use their photos. The best solutions can be found in *The DAM Book*, our bestselling guide to managing digital images efficiently and effectively. Anyone who shoots, scans, or stores digital photographs is practicing digital asset management (DAM), but few people do it in a way that makes sense. In this second edition, photographer Peter Krogh -- the leading expert on DAM -- provides new tools and techniques to help professionals, amateurs, and students: Understand the image file lifecycle: from shooting to editing, output, and permanent storage Learn new ways to use metadata and key words to track photo files Create a digital archive and name files clearly Determine a strategy for backing up and validating image data Learn a catalog workflow strategy, using Adobe Bridge, Camera Raw, Adobe Lightroom, Microsoft Expression Media, and Photoshop CS4 together Migrate images from one file format to another, from one storage medium to another, and from film to digital Learn how to copyright images To identify and protect your images in the marketplace, having a solid asset management system is essential. *The DAM Book* offers the best approach.

Powerful Earthquake Triggers Tsunami in Pacific. Hurricane Isaac Makes Landfall in the Gulf Coast. Wildfires Burn Hundreds of Houses and Businesses in Colorado. Tornado Touches Down in Missouri. These headlines not only have caught the attention of people around the world, they have had a significant effect on IT professionals as well. The new 2nd Edition of *Business Continuity and Disaster Recovery for IT Professionals* gives you the most up-to-date planning and risk management techniques for business continuity and disaster recovery (BCDR). With distributed networks, increasing demands for confidentiality, integrity and availability of data, and the widespread risks to the security of personal, confidential and sensitive data, no organization can afford to ignore the need for disaster planning. Author Susan Snedaker shares her expertise with you, including the most current options for disaster recovery and communication, BCDR for mobile devices, and the latest infrastructure considerations including cloud, virtualization, clustering, and more. Snedaker also provides you with new case studies in several business areas, along with a review of high availability and information security in healthcare IT. Don't be caught off guard—*Business Continuity and Disaster Recovery for IT Professionals, 2nd Edition*, is required reading for anyone in the IT field charged with keeping information secure and systems up and running. Complete coverage of the 3 categories of disaster: natural hazards, human-caused hazards, and accidental / technical hazards Extensive disaster planning and readiness checklists for IT infrastructure, enterprise applications, servers and desktops Clear guidance on developing alternate work and computing sites and emergency facilities Actionable advice on emergency readiness and response Up-to-date information on the legal implications of data loss following a security breach or disaster

IBM® Systems Director is a platform management foundation that streamlines the way that physical and virtual systems are managed. Using industry standards, IBM Systems Director supports multiple operating systems and virtualization technologies. This paper provides guidance and preferred practices about how to install and configure IBM Systems Director Version 6.3. Also, installation guidance, fundamental topics, such as discovery and inventory, and more advanced topics, such as troubleshooting and automation, are covered. This paper is meant to be a partner to the comprehensive documentation in the IBM Systems Director Information Center. This paper is aimed at IT specialists who are planning to install and configure IBM Systems Director on Microsoft Windows, Linux, or IBM AIX®.

Compares the architecture, management responsibilities, storage procedures, size, and reliability of the information storage and retrieval technologies.

This IBM® Redbooks® publication pulls together diverse information regarding the best way to design, implement, and manage a Parallel Sysplex® to deliver the levels of performance and availability required by your organization. This book should be of interest to system programmers, availability managers, and database administrators who are interested in verifying that your systems conform to IBM best practices for a Parallel Sysplex environment. In addition to z/OS® and the sysplex hardware configuration, this book also covers the major IBM subsystems: CICS® DB2® IMS™ MQ WebSphere® Application Server To get the best value from this book, readers should have hands-on experience with Parallel Sysplex and have working knowledge of how your systems are set up and why they were set up in that manner.

The Practical, Authoritative, 360-Degree Technical Guide to Oracle Exadata: From Setup to Administration, Optimization, Tuning, and Troubleshooting The blazingly fast Oracle Exadata Database Machine is being embraced by thousands of large-scale users worldwide: by governments, the military, enterprise organizations, cloud service providers, and anyone who needs extreme performance. Now, Oracle Exadata Expert's Handbook provides authoritative guidance to running Oracle Exadata with maximum reliability, effectiveness, performance, and efficiency. Six renowned Oracle technology experts have brought together core technical information, experience, best practices, and insider tips in a concise reference. Covering both 11g and 12c versions of Oracle Exadata software, they deliver hands-on coverage of best practices, setup, migration, monitoring, administration, performance tuning, and troubleshooting. Whether you're an Oracle Exadata DBA, DMA, architect, or manager, you need these insights. Get a 360-degree overview of the Oracle Exadata Database Machine Efficiently deploy RAC within the Oracle Exadata ecosystem Fully leverage Storage Cell's extraordinary performance, via Offloading, Smart Scans, and Hybrid Columnar Compression Manage Exadata with OEM 12c: perform setup, configuration, asset/target discovery, and day-to-day administration Tune Oracle Exadata for even better performance Perform Exadata Backup/Recovery/DR with RMAN and Data Guard Migrate to Oracle Exadata from other platforms Use Oracle Exadata with the ZFS Storage Appliance Consolidate within the Exadata Database Cloud Your Oracle career starts here! Ideal for those new to Oracle technology, this officially authorized entry-level book shows new DBAs various methods for backup and recovery--including Recovery Manager (RMAN). Includes hands-on exercises and end-of-chapter reviews to reinforce just-learned concepts.

Essential information on how to protect data in virtual environments! Virtualization is changing the data center architecture and as a result, data protection is quickly evolving as well. This unique book, written by an industry expert with over eighteen years of data storage/backup experience, shows you how to approach, protect, and manage data in a virtualized environment. You'll get up to speed on data protection problems, explore the data protection technologies available today, see how to adapt to virtualization, and more. The book uses a "good, better, best" approach, exploring best practices for backup, high availability, disaster recovery, business continuity, and more. Covers best practices and essential information on protecting data in virtualized enterprise environments Shows you how to approach, protect, and manage data while also meeting such challenges as return on investment, existing service level agreements (SLAs), and more Helps system and design architects understand data protection issues and technologies in advance, so they can design systems to meet the challenges Explains how to make absolutely critical services such as file services and e-mail more available without sacrificing protection Offers best practices and solutions for backup, availability, disaster recovery, and others This is a must-have guide for any Windows server and application administrator who is charged with data recovery and maintaining higher uptimes.

This IBM® Redbooks® publication provides advice and guidance for IBM z/OS® Version 1, Release 10 and subsystem system programmers. z/OS is an IBM flagship operating system for enterprise class applications, particularly those with high availability requirements. But, as with every operating system, z/OS requires planned IPLs from time to time. This book also provides you with easily accessible and usable information about ways to improve your mean time to recovery (MTTR) by helping you achieve the following objectives: - Minimize the application down time that might be associated

with planned system outages. - Identify the most effective way to reduce MTTR for any time that you have a system IPL.
- Identify factors that are under your control and that can make a worthwhile difference to the startup or shutdown time of your systems.

This IBM® Redbooks® publication provides best practices for the IBM System Storage N series and SnapManager® for Virtual Infrastructure 2.0 (SMVI). We address the resource utilization issues typically found within virtual environments by leveraging the underlying Snapshot technology, which enables you to create point-in-time copies of your virtual machines or entire data stores and then restore from these backup copies at any level of granularity, datastore, VM, disk (VMDK), or guest file, simply and quickly when required. In addition, we provide best practices for protecting the SMVI server and recovering in case of a disaster. Furthermore, we explain the seamless integration of N series storage solutions, including MetroCluster, so customers can leverage storage and virtualization technologies to create dynamic infrastructures that can create tremendous business value. The reader of this book will gain a deep understanding of how to implement SnapManager for Virtual Infrastructure in VMware vSphere environments.

PART OF THE NEW JONES & BARTLETT LEARNING INFORMATION SYSTEMS SECURITY & ASSURANCE SERIES

More than 90 percent of individuals, students, educators, businesses, organizations, and governments use Microsoft Windows, which has experienced frequent attacks against its well-publicized vulnerabilities. Revised and updated to keep pace with this ever changing field, Security Strategies in Windows Platforms and Applications, Second Edition focuses on new risks, threats, and vulnerabilities associated with the Microsoft Windows operating system. Particular emphasis is placed on Windows XP, Vista, and 7 on the desktop, and Windows Server 2003 and 2008 versions. It highlights how to use tools and techniques to decrease risks arising from vulnerabilities in Microsoft Windows operating systems and applications. The book also includes a resource for readers desiring more information on Microsoft Windows OS hardening, application security, and incident management. With its accessible writing style, and step-by-step examples, this must-have resource will ensure readers are educated on the latest Windows security. Key Features: -Discusses the Microsoft Windows Threat Landscape -Highlights Microsoft Windows security features -Covers managing security in Microsoft Windows -Explains hardening Microsoft Windows operating systems and applications -Reviews security trends for Microsoft Windows computers Instructor Materials for Security Strategies in Windows Platforms and Applications include: PowerPoint Lecture Slides Exam Questions Case Scenarios/Handouts

The overwhelming majority of a software system's lifespan is spent in use, not in design or implementation. So, why does conventional wisdom insist that software engineers focus primarily on the design and development of large-scale computing systems? In this collection of essays and articles, key members of Google's Site Reliability Team explain how and why their commitment to the entire lifecycle has enabled the company to successfully build, deploy, monitor, and maintain some of the largest software systems in the world. You'll learn the principles and practices that enable Google engineers to make systems more scalable, reliable, and efficient—lessons directly applicable to your organization. This book is divided into four sections: Introduction—Learn what site reliability engineering is and why it differs from conventional IT industry practices Principles—Examine the patterns, behaviors, and areas of concern that influence the work of a site reliability engineer (SRE) Practices—Understand the theory and practice of an SRE's day-to-day work: building and operating large distributed computing systems Management—Explore Google's best practices for training, communication, and meetings that your organization can use

Enterprise Systems Backup and Recovery A Corporate Insurance Policy CRC Press

Mission-Critical Microsoft Exchange 2000 is the definitive book on how to design and maintain extremely reliable and adaptive Exchange Server messaging systems that rarely crash and that preserve valuable data and services in spite of technical disruptions. E-mail systems are now a primary means of communication for organizations, which can afford e-mail down-time no more than they can afford to be without phones. Further, messaging systems increasingly are supporting vital applications in addition to e-mail, such as workflow and knowledge management, making the data they store both voluminous and incredibly valuable. Mission-Critical Microsoft Exchange 2000 teaches system designers, administrators and developers the strategies, tools, and best practices they'll need to plan and implement highly-available systems on Exchange 2000 and on earlier versions of Exchange. The book explains Exchange back-up and disaster recovery techniques, Windows clustering technologies for Exchange systems, and security planning to resist messaging-based attacks. Written by Jerry Cochran, an authority on large-scale Exchange systems, Mission-Critical Microsoft Exchange 2000 helps readers create Exchange systems upon which they can build large and growing organizations. Unique book on a crucial Exchange topic Part of Digital Press's Exchange Server Cluster Author is Compaq's expert on high-end Exchange systems

Good backup and recovery strategies are key to the health of any organization. Medium- to very-large-scale systems administrators have to protect large amounts of critical data as well as design backup solutions that are scalable and optimized to meet changing conditions. Pro Data Backup and Recovery will cover some of the more common backup applications, such as Symantec NetBackup/BackupExec, EMC NetWorker, and CommVault, but the main discussion will focus on the implementation of 21st century architectures that allow the backup software to be a "commodity" item. The underlying architecture provides the framework for meeting the requirements of data protection for the organization. This book covers new developments in data protection as well as the impact of single-instance storage upon backup infrastructures. It discusses the impact of backup and data replication, the often misapplied B2D and D2D strategies, and "tapeless" backup environments. Continuous data protection and remote replication strategies are also addressed as they are integrated within backup strategies—a very important topic today. Learn backup solution design regardless of specific backup software Design realistic recovery solutions Take into account new data protection standards and the impact of data replication Whether you are using NetBackup, CommVault, or some other backup software, Pro Data

Backup and Recovery will give you the information you need to keep your data safe and available.

Research Paper (postgraduate) from the year 2019 in the subject Business economics - Banking, Stock Exchanges, Insurance, Accounting, , language: English, abstract: This study, Disaster Recovery Database Backup System Model and Banks' Survival, examines the role of effective and efficient database backup system in the life of financial institutions with Zenith Bank Plc as the case study. This study resulted from the fact that "Zenith Bank" faces a significant amount of responsibility as a new generation private gone public bank. According to experts in IT "Even if an ATM is down for two hours, it becomes a huge issue and customer complaints start to pour in". Thus, continuity becomes very crucial in the financial services industries. The general objective of the study is to examine the role of improved disaster recovery database system model in bank survival and business continuity. Zenith Bank is used as a case study because of its success story in terms of Information Technology applications. In carrying out the study quantitative and qualitative method of sample collection were used while questionnaires were distributed to 120 respondents from the 'Bank' and its subsidiary Zenith Medical Centre all in Abuja. Likert-type scale is used to obtain respondents' opinion, while Friedman Chi-square is used as statistical tool to critically analyze the responses. The findings include: banks are database services organization, therefore, need disaster recovery database backup to continue in business in the face of threats and incidents. The conclusion is that Zenith Bank should continue to put in place improved disaster recovery plan in line with global best practices. The recommendation includes; other banks should put effort to have effective and efficient database backup system model in order to prepare for incidents, and the CBN as the regulatory umpire should direct financial institutions in Nigeria to put in place good and reliable disaster recovery database backup system model because "the shrewd one sees disaster and proceeds to hide himself". The study suggests that there should be research to identify areas prone to disaster incidents in Nigeria both in physical attacks and cyber attacks.

The book follows a tutorial-based approach, covering all the best practices for backup and recovery. The book starts by introducing readers to the world of backup and recovery, then moves on to teach them the new features offered by Oracle 12c. The book is full of useful tips and best practices that are essential for any DBA to perform backup and recovery operations in an organization. This book is designed for Oracle DBAs and system administrators. The reader will have a basic working experience of administering Oracle databases. This book is designed for Oracle DBAs and system administrators. This book will become a reference guide and will also help you to learn some new skills, and give you some new ideas you never knew about, helping you to easily find the solution to some of the most well-known problems you could encounter as DBAs.

In this IBM® Redbooks® publication, we give an overview of different data management topics related to a typical SAP® data center. The intrinsic functionality of SAP is not designed to completely handle all the tasks of a data center by itself, but the SAP system offers several interface possibilities to attach external tools to it to accomplish this task. We explain SAP basic concepts and the issues with SAP data management. We introduce Tivoli® Storage Manager and all of its products that are related to SAP data management. We provide some comparison between database backup and recovery tools. Finally, we discuss data archiving using IBM DB2® CommonStore for SAP, and discuss high availability requirements and disaster recovery considerations. The second part of this book discusses a practical implementation of SAP backup and recovery with Tivoli Storage Manager. We implement this setup on two separate SAP systems: one running DB2 and the other running Oracle® database. We also implement LAN-free backup and FlashCopy® scenarios. In the sample implementation section, we show many different tasks, such as backup and restore, database recovery, backup monitoring, and tuning. We also cover some advanced backup/availability considerations, such as split mirror backup and standby databases. This book helps individuals that operate an SAP environment to devise a strategy for a sound and comprehensive data backup solution using the IBM Tivoli Storage Management product family.

Packed with practical, freely available backup and recovery solutions for Unix, Linux, Windows, and Mac OS X systems -- as well as various databases -- this new guide is a complete overhaul of Unix Backup & Recovery by the same author, now revised and expanded with over 75% new material. Backup & Recovery starts with a complete overview of backup philosophy and design, including the basic backup utilities of tar, dump, cpio, nbackup, ditto, and rsync. It then explains several open source backup products that automate backups using those utilities, including AMANDA, Bacula, BackupPC, rdiff-backup, and rsnapshot. Backup & Recovery then explains how to perform bare metal recovery of AIX, HP-UX, Linux, Mac OS, Solaris, VMWare, & Windows systems using freely-available utilities. The book also provides overviews of the current state of the commercial backup software and hardware market, including overviews of CDP, Data De-duplication, D2D2T, and VTL technology. Finally, it covers how to automate the backups of DB2, Exchange, MySQL, Oracle, PostgreSQL, SQL-Server, and Sybase databases - without purchasing a commercial backup product to do so. For environments of all sizes and budgets, this unique book shows you how to ensure data protection without resorting to expensive commercial solutions. You will soon learn to: Automate the backup of popular databases without a commercial utility Perform bare metal recovery of any popular open systems platform, including your PC or laptop Utilize valuable but often unknown open source backup products Understand the state of commercial backup software, including explanations of CDP and data de-duplication software Access the current state of backup hardware, including Virtual Tape Libraries (VTLs)

Providing an overview of all facets of UNIX backup and recovery, this text offers practical solutions for environments of all sizes and budgets, explaining everything from freely-available backup systems to large-scale commercial utilities.

This IBM® Redbooks® publication describes the positioning of the IBM Systems Director in the complete management range. It also compares the IBM Systems Director with the IBM Flex Systems Manager (FSM) and describes the environments for which each tool is best suited. This publication helps you plan, install, tailor, and configure the IBM Systems Director on different platforms. It contains information about required system resources and which network ports

are used. It shows how to use the Workload Estimator to select the appropriate hardware for IBM Systems Director server and provides information about the IBM Systems Director Editions. Best practices are covered for the basic management tasks that are available in IBM Systems Director, including how to perform discovery; how to collect inventory on discovered resources; how to deploy agent, driver, and firmware updates; how to manage hardware events; and other miscellaneous tasks. An overview of best practices is provided for using IBM Systems Director VMControl™. Systems Director VMControl is a cross-platform product that assists you in rapidly deploying virtual appliances to create virtual servers that are configured with the operating system and software applications that you want. It also enables you to group resources into system pools, which enable you to centrally manage and control the different workloads in your environment. The following plug-in offerings are described: Energy monitoring and management features offered by IBM Systems Director Active Energy Manager™ along with the best practice, which needs to be followed in using the IBM Systems Director Active Energy Manager. The IBM AIX® Profile Manager is a tool that can help implement and monitor the security of all AIX servers in a production environment but also implement and monitor the system compliance of those AIX servers. Best practices and the most important questions to ask before creating Workload Partition Manager (WPAR) and WPAR Manager infrastructure. In addition, how you can manage and relocate WPARs using WPAR Manager graphical interface and the command-line interface. Network Control basic functionalities and how to plan for Network Control deployments and also a number of common scenarios with best practices. The IBM Systems Director Service and Support Manager describes how to set up and how to handle serviceable events. Best practices for the Storage Monitoring and Management capabilities offered by IBM Systems Director server. This book is for IBM IT specialists and IT architects, IBM Business Partners, and clients, who are utilizing or considering implementing IBM Systems Director.

Linux on System z offers many advantages to customers who rely on the IBM® mainframe systems to run their businesses. Linux on System z makes use of the qualities of service in the System z® hardware and in z/VM®, making it a robust industrial strength Linux. This provides an excellent platform for hosting Oracle solutions that run in your enterprise. This IBM Redbooks® publication is divided into several sections to share the following experiences that are gained while Oracle Database 11gR2 is installed and tested: Setting up Red Hat Enterprise Linux 6 for Oracle Managing an Oracle on Linux on System z environment Provisioning Linux guests using several tools It also includes many general hints and tips for running Oracle products on IBM System z with Linux and z/VM. Interested readers include database consultants, installers, administrators, and system programmers. This book is not meant to replace Oracle documentation but to supplement it with our experiences while Oracle products are installed and used.

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

An Expert Guide for Solving Complex Oracle Database Problems Oracle Database Problem Solving and Troubleshooting Handbook delivers comprehensive, practical, and up-to-date advice for running the Oracle Database reliably and efficiently in complex production environments. Seven leading Oracle experts have brought together an unmatched collection of proven solutions, hands-on examples, and step-by-step tips for Oracle Database 12c, 11g, and other recent versions of Oracle Database. Every solution is crafted to help experienced Oracle DBAs and DMAs understand and fix serious problems as rapidly as possible. The authors cover LOB segments, UNDO tablespaces, high GC buffer wait events, poor query response times, latch contention, indexing, XA distributed transactions, RMAN backup/recovery, and much more. They also offer in-depth coverage of a wide range of topics, including DDL optimization, VLDB tuning, database forensics, adaptive cursor sharing, data pumps, data migration, SSDs, indexes, and how to go about fixing Oracle RAC problems. Learn how to Choose the quickest path to solve high-impact problems Use modern best practices to make your day more efficient and predictable Construct your "Call 9-1-1 plan" for future database emergencies Proactively perform maintenance to improve your environment's stability Save time with industry-standard tools and scripts Register your product at informit.com/register for convenient access to downloads, updates, and corrections as they become available.

The Essential Guide to Protecting Your Business Information Written by Oracle ACE Director and MySQL expert Ronald Bradford, Effective MySQL: Backup and Recovery covers all the options with detailed descriptions and syntax examples to ensure an appropriate backup and recovery plan can be developed. Featuring a side-by-side evaluation of the various backup strategies and complementary recovery implementations, this Oracle Press book helps you to protect your MySQL data from a wide range of disaster situations. Learn how different backup strategies affect locking and system availability Identify the importance of static backup options and point-in-time requirements Recognize the important business factors to determine your optimal data protection requirements Understand the benefits of using MySQL replication for leveraging different backup strategies Understand the benefits and risks of implementing solutions with MySQL in the cloud Identify key configuration variables that affect data durability and performance Find out about the types of possible disasters and develop a robust plan to address them Optimize your backup approach with compression, streaming, incremental, and parallel options

Windows 2003 Server is unquestionably the dominant enterprise level operating system in the industry, with 95% of all companies running it. And for the last tow years, over 50% of all product upgrades have been security related. Securing Windows Server, according to bill gates, is the company's #1 priority. While considering the security needs of your organization, you need to balance the human and the technical in order to create the best security design for your organization. Securing a Windows Server 2003 enterprise network is hardly a small undertaking, but it becomes quite manageable if you approach it in an organized and systematic way. This includes configuring software, services, and

protocols to meet an organization's security needs. * The Perfect Guide if "System Administrator is NOT your primary job function * Avoid "time drains" configuring the many different security standards built into Windows 2003 * Secure VPN and Extranet Communications Obtain all the skills you need to configure and manage a PostgreSQL database. In this book you will begin by installing and configuring PostgreSQL on a server by focusing on system-level parameter settings before installation. You will also look at key post-installation steps to avoid issues in the future. The basic configuration of PostgreSQL is tuned for compatibility rather than performance. Keeping this in mind, you will fine-tune your PostgreSQL parameters based on your environment and application behavior. You will then get tips to improve database monitoring and maintenance followed by database security for handling sensitive data in PostgreSQL. Every system containing valuable data needs to be backed-up regularly. PostgreSQL follows a simple back-up procedure and provides fundamental approaches to back up your data. You will go through these approaches and choose the right one based on your environment. Running your application with limited resources can be tricky. To achieve this you will implement a pooling mechanism for your PostgreSQL instances to connect to other databases. Finally, you will take a look at some basic errors faced while working with PostgreSQL and learn to resolve them in the quickest manner. What You Will Learn Configure PostgreSQL for performance Monitor and maintain PostgreSQL instances Implement a backup strategy for your data Resolve errors faced while using PostgreSQL Who This Book Is For Readers with basic knowledge of PostgreSQL who wish to implement key solutions based on their environment.

RMAN Recipes for Oracle Database 12c is an example-driven approach to the Oracle database administrator's #1 job responsibility: Be able to recover the database. Of all the things you are responsible for as database administrator, nothing is more important than the data itself. Like it or not, the fearsome responsibility of protecting your organization's most critical data falls squarely upon your shoulders: Lose that data and your company could fail. Lose that data and you could be out of a job. Oracle's flagship database product fortunately implements a wide-ranging feature set to aid you in the all-important task of safeguarding against data loss. Recovery Manager, or RMAN, is at the heart of that feature set, and is the tool most-often used to initiate database backup and recovery operations. In this book, well-known authors and database experts Darl Kuhn, Sam Alapati, and Arup Nanda have created a set of examples encompassing the gamut of backup and recovery tasks that you might need to perform. Sometimes, especially when the heat is on, a good example is what you need to get started towards a solution. RMAN Recipes for Oracle Database 12c delivers. It'll be the book you reach for when that dreaded call comes in at 3:00am some dreary morning. It'll be the book that lets you sleep at night knowing that no matter what transpires, that you've done your job well and can recover from any outage. RMAN Recipes for Oracle Database 12c gets right to the point with quick and easy-to-read, step-by-step solutions that can help you backup and recover your data with confidence.

Includes information that every Oracle administrator and programmer must know to maximize uptime and recover data without compromising mission critical systems.

Oracle Exadata Recipes takes an example-based, problem/solution approach in showing how to size, install, configure, manage, monitor, optimize, and migrate Oracle database workloads on and to the Oracle Exadata Database Machine. Whether you're an Oracle Database administrator, Unix/Linux administrator, storage administrator, network administrator, or Oracle developer, Oracle Exadata Recipes provides effective and proven solutions to accomplish a wide variety of tasks on the Exadata Database Machine. You can feel confident using the reliable solutions that are demonstrated in this book in your enterprise Exadata environment. Managing Oracle Exadata is unlike managing a traditional Oracle database. Oracle's Exadata Database Machine is a pre-configured engineered system comprised of hardware and software, built to deliver extreme performance for Oracle Database workloads. Exadata delivers extreme performance by offering an optimally balanced hardware infrastructure with fast components at each layer of the engineered technology stack, as well as a unique set of Oracle software features designed to leverage the high-performing hardware infrastructure by reducing I/O demands. Let Oracle Exadata Recipes help you translate your existing Oracle Database knowledge into the exciting new growth area that is Oracle Exadata. Helps extend your Oracle Database skillset to the fast-growing, Exadata platform Presents information on managing Exadata in a helpful, example-based format Clearly explains unique Exadata software and hardware features

Veeam is an infrastructure backup solution for VMware vSphere or Hyper-V to enable VM and server backup. This book takes you through installation best practices, optimizations, and the 3-2-1 rule, before going on to examine repository and proxy-related topics and finally advanced topics such as DataLabs, Instant VM Recovery, and Veeam ONE.

Work with Oracle database's high-availability and disaster-management technologies. This book covers all the Oracle high-availability technologies in one place and also discusses how you configure them in engineered systems and cloud services. You will see that when you say your database is healthy, it is not limited to whether the database is performing well on day-to-day operations; rather it should also be robust and free from disasters. As a result, your database will be capable of handling unforeseen incidents and recovering from disaster with very minimal or zero downtime. Oracle High Availability, Disaster Recovery, and Cloud Services explores all the high-availability features of Oracle database, how to configure them, and best practices. After you have read this book you will have mastered database high-availability concepts such as RAC, Data Guard, OEM 13c, and engineered systems (Oracle Exadata x6/x7 and Oracle Database Appliance). What You Will Learn Master the best practices and features of Exadata and ODA Implement and monitor high availability with OEM 13c Clone databases using various methods in Oracle 12c R2 Work with the Oracle sharding features of Oracle 12c R2 Who This Book Is For Oracle database administrators

Who needs to know about Virtual Machine Backup and Recovery ? Is there a recommended audit plan for routine surveillance inspections of Virtual Machine Backup and Recovery's gains? What prevents me from making the changes I know will make me a more effective Virtual Machine Backup and Recovery leader? How do the Virtual Machine Backup and Recovery results compare with the performance of your competitors and other organizations with similar offerings? Do the Virtual Machine Backup and Recovery decisions we make today help people and the planet tomorrow? Defining, designing, creating, and implementing a process to solve a business challenge or meet a business objective is the most valuable role... In EVERY company, organization and department. Unless you are talking a one-time, single-use project within a business, there should be a process. Whether that process is managed and implemented by humans, AI, or a combination of the two, it needs to be designed by someone with a complex enough perspective to ask the right questions. Someone capable of asking the right questions and step back and say, 'What are we really trying to accomplish here? And is there a different way to look at it?' For more than twenty years, The Art of Service's Self-Assessments empower people who can do just that - whether their title is marketer, entrepreneur, manager, salesperson, consultant, business process manager, executive assistant, IT Manager, CxO etc... - they are the people who rule the future. They are people who watch the process as it happens, and ask the right questions to make the process work better. This book is for managers, advisors, consultants, specialists, professionals and anyone interested in Virtual Machine Backup and Recovery assessment. All the tools you need to an in-depth Virtual Machine Backup and Recovery Self-Assessment. Featuring 488 new and updated case-based questions, organized into seven core areas of process design, this Self-Assessment will help you identify areas in which Virtual Machine Backup and Recovery improvements can be made. In using the questions you will be better able to: - diagnose Virtual Machine Backup and Recovery projects, initiatives, organizations, businesses and processes using accepted diagnostic standards and practices - implement evidence-based best practice strategies aligned with overall goals - integrate recent advances in Virtual Machine Backup and Recovery and process design strategies into practice according to best practice guidelines Using a Self-Assessment tool known as the Virtual Machine Backup and Recovery Scorecard, you will develop a clear picture of which Virtual Machine Backup and Recovery

areas need attention. Included with your purchase of the book is the Virtual Machine Backup and Recovery Self-Assessment downloadable resource, which contains all questions and Self-Assessment areas of this book in a ready to use Excel dashboard, including the self-assessment, graphic insights, and project planning automation - all with examples to get you started with the assessment right away. Access instructions can be found in the book. You are free to use the Self-Assessment contents in your presentations and materials for customers without asking us - we are here to help.

This IBM® Redbooks® publication provides best practice guidance for planning, installing, configuring, and employing the IBM TS7600 ProtecTIER® family of products. It provides the latest best practices for the practical application of ProtecTIER Software Version 3.4. This latest release introduces the new ProtecTIER Enterprise Edition TS7650G DD6 model high performance server. This book also includes information about the revolutionary and patented IBM HyperFactor® deduplication engine, along with other data storage efficiency techniques, such as compression and defragmentation. The IBM System Storage® TS7650G ProtecTIER Deduplication Gateway and the IBM System Storage TS7620 ProtecTIER Deduplication Appliance Express are disk-based data storage systems: The Virtual Tape Library (VTL) interface is the foundation of ProtecTIER and emulates traditional automated tape libraries. For your existing ProtecTIER solution, this guide provides best practices and suggestions to boost the performance and the effectiveness of data deduplication with regards to your application platforms for your VTL and FSI (systems prior to version 3.4). When you build a ProtecTIER data deduplication environment, this guide can help IT architects and solution designers plan for the best option and scenario for data deduplication for their environments. This book can help you optimize your deduplication ratio, while reducing the hardware, power and cooling, and management costs. This Redbooks publication provides expertise that was gained from an IBM ProtecTIER System Client Technical Specialist (CTS), Development, and Quality Assurance teams. This planning should be done by the Sales Representative or IBM Business Partner, with the help of an IBM System CTS or IBM Solution Architect.

Discover a comprehensive introduction to IT technical support as Andrews/Dark/West's COMPTIA A+ GUIDE TO IT TECHNICAL SUPPORT, 10E explains how to work with users as well as install, maintain, troubleshoot and network computer hardware and software. This step-by-step, highly visual best-selling approach uses CompTIA A+ Exam objectives as a framework to prepare you for 220-1001 and 220-1002 certification exams. Each chapter covers core and advanced topics while emphasizing practical application of the most current technology, techniques and industry standards. You study the latest hardware, security, Active Directory, operational procedures, basics of scripting, virtualization, cloud computing, mobile devices and Windows 10 as you prepare for success as an IT support technician or administrator.

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Backup and recovery are mission-critical DBA tasks, and it is critical that every Oracle professional develop a RMAN strategy that guarantees recoverability while minimizing unplanned downtime. RMAN is one of the world's most sophisticated backup and recovery tools. It is robust and complex with thousands of options. This landmark book demonstrates, by example, how to create a successful backup and recovery infrastructure using RMAN. This book also contains links to RMAN video tutorials and a download of working RMAN scripts to guide users through full automation of a backup strategy. Together, backup and recovery are the single most important combined DBA activity, and it is crucial that you master the RMAN and Data Pump Import utilities to protect against catastrophic data loss. Written by practicing Oracle DBAs with years of RMAN experience, this is a pragmatic approach to RMAN, focusing less on theory and more on real-world, practical RMAN tools, tips and techniques. This Oracle backup and recovery book is unique because it provides real-world examples on how to use RMAN and other tools to protect your mission critical data. Even with reliable mirrored disks, your important Oracle database is still at-risk from software corruption, user error and hardware failures. This book details Oracle RMAN best practices and shows the best ways to minimize backup and recovery time, which is critical for maximizing system availability. This is the definitive RMAN reference that guides you, step-by-step, through all of the techniques for Oracle backup and recovery, from simple cold backups to complex incremental backups. Experienced RMAN experts guide you through the installation, setup and configuration for a complete RMAN backup and recovery infrastructure using proven techniques and Oracle best practices. Best of all, you be given the opportunity to learn from supplemental video tutorials and working examples how to recover from every possible data scenario. This book has step-by-step checklists that you can follow to guide you through a complex recovery with minimal unplanned system outages. This is an indispensable RMAN reference for every professional DBA who needs to ensure that they understand every possible backup and recovery strategy. It also contains a download of working RMAN scripts to help you easily automate and monitor your RMAN backups.

In this book, Oracle experts Darl Kuhn, Sam Alapati, and Arup Nanda show you the power of Recovery Manager, or RMAN, which is Oracle's backup and recovery tool of choice. Oracle RMAN Recipes helps you take advantage of all that RMAN has to offer. This handy guide demystifies the steps required to protect your business data. It provides ready-made and example-based solutions to common (and some not-so-common) backup and recovery operations.

The success of information backup systems does not rest on IT administrators alone. Rather, a well-designed backup system comes about only when several key factors coalesce—business involvement, IT acceptance, best practice designs, enterprise software, and reliable hardware. Enterprise Systems Backup and Recovery: A Corporate Insurance Policy provides organizations with a comprehensive understanding of the principles and features involved in effective enterprise backups. Instead of focusing on any individual backup product, this book recommends corporate procedures and policies that need to be established for comprehensive data protection. It provides relevant information to any organization, regardless of which operating systems or applications are deployed, what backup system is in place, or what planning has been done for business continuity. It explains how backup must be included in every phase of system planning, development, operation, and maintenance. It also provides techniques for analyzing and improving current backup system performance. After reviewing the concepts in this book, organizations will be able to answer these questions with respect to their enterprise: What features and functionality should be expected in a backup environment? What terminology and concepts are unique to backup software, and what can be related to other areas? How can a backup system be monitored successfully? How can the performance of a backup system be improved? What features are just "window dressing" and should be ignored, as opposed to those features that are relevant? Backup and recovery systems touch on just about every system in an organization. Properly implemented, they can provide an enterprise with greater assurance that its information is safe. By utilizing the information in this book, organizations can take a greater step toward improving the security of their data and preventing the devastating loss of data and business revenue that can occur with poorly constructed or inefficient systems.

Since 2001, the CERT® Insider Threat Center at Carnegie Mellon University's Software Engineering Institute (SEI) has collected and analyzed information about more than seven hundred insider cyber crimes, ranging from national security espionage to theft of trade secrets. The CERT® Guide to Insider Threats describes CERT's findings in practical terms, offering specific guidance and countermeasures that can be immediately applied by executives, managers, security officers, and operational staff within any private, government, or military organization. The authors systematically address attacks by all types of malicious insiders, including current and former employees, contractors, business partners, outsourcers, and even cloud-computing vendors. They cover all major types of insider cyber crime: IT sabotage, intellectual property theft, and fraud. For each, they present a crime profile describing how the crime tends to evolve over time, as well as motivations, attack methods, organizational issues, and precursor warnings that could have helped the organization prevent the incident or detect it earlier. Beyond identifying crucial patterns of suspicious behavior, the authors present concrete defensive measures for protecting both systems and data. This book also conveys the big picture of the insider threat problem over time: the complex interactions

and unintended consequences of existing policies, practices, technology, insider mindsets, and organizational culture. Most important, it offers actionable recommendations for the entire organization, from executive management and board members to IT, data owners, HR, and legal departments. With this book, you will find out how to Identify hidden signs of insider IT sabotage, theft of sensitive information, and fraud Recognize insider threats throughout the software development life cycle Use advanced threat controls to resist attacks by both technical and nontechnical insiders Increase the effectiveness of existing technical security tools by enhancing rules, configurations, and associated business processes Prepare for unusual insider attacks, including attacks linked to organized crime or the Internet underground By implementing this book's security practices, you will be incorporating protection mechanisms designed to resist the vast majority of malicious insider attacks.

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