

Backup Data

W. Curtis Preston

Pro Data Backup and Recovery Steven Nelson,2011-07-18 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.

Pro Data Backup and Recovery Steven Nelson,2011-02-25 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.

Beginning Backup and Restore for SQL Server Bradley Beard,2018-06-19 Be guided through the techniques to back up and restore databases and files in SQL Server. Multiple techniques are presented for ensuring the integrity and consistency of database backups, as well as the reliability and manageability of restoring from backups. In today’s data-driven world, the most important asset that a company has is its data. Data recovery strategies can be wide ranging; from the practically non-existent backup without verification to a very complex, distributed, and redundant system. An important objective for any database administrator is data loss prevention, and in a catastrophic data loss event, pre-defined data recovery techniques must be employed in order to get the databases back up and running efficiently and quickly. Using a tutorial method of teaching, Beginning Backup and Restore for SQL Server explores the many facets behind the principles of backing up and restoring data from your database, and then shows practical application methods for getting the work done quickly and correctly. This book is an essential guide toward discovering the correct path to protecting the data for your organization. What You'll Learn Be instructed on backup and restore techniques and principles Understand the importance of a fully implemented backup plan in SQL Server Agent Integrate backup and restore techniques into an existing environment Consider space and time requirements for backup and restore operations Master the principles for common deployment types Who This Book Is For Administrators who need to learn or refresh their knowledge of how to back up and restore SQL Server databases in various scenarios

Backup & Recovery W. Curtis Preston,2007-01-03 Packed with practical, affordable backup and recovery solutions for UNIX, Linux, Windows, and the Mac OS X system--as well as various databases--this new guide is a complete overhaul of the author's strong-selling UNIX Backup & Recovery, now revised and expanded with over 40 percent new material.

Unix Backup and Recovery W. Curtis Preston,1999 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.

Modern Data Protection W. Curtis Preston,2021-04-29 Give your organization the data protection it deserves without the uncertainty and cost overruns experienced by your predecessors or other companies. System and network administrators have their work cut out for them to protect physical and virtual machines in the data center and the cloud; mobile devices including laptops and tablets; SaaS services like Microsoft 365, Google Workspace, and Salesforce; and persistent data created by Kubernetes and container workloads. To help you navigate the breadth and depth of this challenge, this book presents several solutions so you can determine which is right for your company. You'll learn the unique requirements that each workload presents, then explore various categories of commercial backup hardware, software, and services available to protect these data sources, including the advantages and disadvantages of each approach. Learn the workload types that your organization should be backing up Explore the hardware, software, and services you can use to back up your systems Understand what's wrong with your current data protection system Pair your backed-up workloads to the appropriate backup system Learn the adjustments that will make your backups better, without wasting money

The Backup Book Dorian J. Coughias,E. L. Heiberger,Karsten Koop,2003 Detailing what can go wrong in backup and recovery and how that applies to the various backup methods available, this book couples that information with recovery and business continuity tactics played out over the backdrop of various real-world scenarios.

IBM Storage Fusion Backup and Restore for IBM Cloud Pak for Data Paulina Acevedo,Austen Stewart,Todd Tosseth,IBM Redbooks,2023-06-07 IBM Cloud Pak® for Data can be protected with IBM Spectrum Fusion™. This IBM Redpaper publication covers backing up IBM Cloud Pak for Data with a non-disruptive (online) backup and then restoring to an alternate cluster. During an online backup, normal runtime operations in the Cloud Pak for Data cluster continue while the backup completes. The backup process includes creating policies and automating backups in IBM Spectrum Fusion, then protecting Cloud Pak for Data, protecting IBM Spectrum Fusion namespace and the IBM

Spectrum® Protect Plus (SPP) catalog. Backup and restore is supported from IBM Storage Fusion HCI to IBM Spectrum Fusion software as well as from IBM Storage Fusion Software to IBM Storage Fusion HCI. IBM Spectrum Fusion HCI and IBM Spectrum Fusion have become IBM Storage Fusion HCI System and IBM Storage Fusion. This edition uses the IBM Spectrum brand names and will be updated with the next edition. IBM Spectrum Fusion must be at 2.3 or higher with Backup service installed. If using IBM Storage Fusion 2.5.2, the Backup (Legacy) service should be used.

Data Protection Preston de Guise,2017-03-03 This is the fundamental truth about data protection: backup is dead. Or rather, backup and recovery, as a standalone topic, no longer has relevance in IT. As a standalone topic, it's been killed off by seemingly exponential growth in storage and data, by the cloud, and by virtualization. So what is data protection? This book takes a holistic, business-based approach to data protection. It explains how data protection is a mix of proactive and reactive planning, technology and activities that allow for data continuity. It shows how truly effective data protection comes from a holistic approach considering the entire data lifecycle and all required SLAs. Data protection is neither RAID nor is it continuous availability, replication, snapshots or backups—it is all of them, combined in a considered and measured approach to suit the criticality of the data and meet all the requirements of the business. The book also discusses how businesses seeking to creatively leverage their IT investments and to drive through cost optimization are increasingly looking at data protection as a mechanism to achieve those goals. In addition to being a type of insurance policy, data protection is becoming an enabler for new processes around data movement and data processing. This book arms readers with information critical for making decisions on how data can be protected against loss in the cloud, on-premises, or in a mix of the two. It explains the changing face of recovery in a highly virtualized data center and techniques for dealing with big data. Moreover, it presents a model for where data recovery processes can be integrated with IT governance and management in order to achieve the right focus on recoverability across the business.

Modern Data Protection W. Curtis Preston,2021-06-30 Give your organization the data protection it deserves, without the uncertainty and cost overruns experienced by your predecessors or other companies. System and network administrators today have their work cut out for them to protect physical and virtual machines in the data center and the cloud, mobile devices including laptops and tablets, SaaS services like Microsoft 365, Google Workspace, and Salesforce, and any persistent data created by Kubernetes and container workloads. To help you navigate the breadth and depth of this challenge, this book presents several solutions so you can determine which one is right for your company. You'll learn the unique requirements that each workload presents, then explore various categories of commercial backup hardware, software, and services available to protect these data sources, including the advantages and disadvantages of each approach. Learn the workload types that your organization should be backing up Explore the hardware, software, and services you can use to back up your systems Understand what's wrong with your current data protection system Pair your backed-up workloads to the appropriate backup system Learn the adjustments you need to make to make your backups better, without wasting money

Digital Data Integrity David B Little,Skip Farmer,Oussama El-Hilali,2007-04-04 How to plan your future strategy for efficient, cost-saving data management Businesses have historically treated data protection as an afterthought, as simply making an occasional copy of data that could be used in the future. Today, this attitude is changing rapidly. The ever-increasing amount of data, along with the emphasis on continuous availability, necessitates changes in the approach to data integrity, which results in management and protection becoming much more closely aligned. Digital Data Integrity throws light on the data integrity landscape of the future. It provides the reader with a brief overview of the historical methods and subsequent evolution of data protection. The text shows how the whole subject of data integrity is changing and describes and positions many of the new, enhanced, more intelligent protection technologies and methods. Digital Data Integrity: Takes a unique, forward look at data protection and management, highlighting the paradigm shift from simple backup and recovery to total data management. Details recent developments in compliance regulations in an accessible manner. Covers enhanced protection technologies such as advanced intelligent synthetic backups, data reduction methods, and data growth – online protection using continuous data protection. Explains data life cycle management and data storage, using management, quality of service products and tools to achieve better data management, intelligent allocation of storage, and compliance with regulations. Contains information on quality control, looking at SLA (Service Level Agreements), protection by business unit and billing/charge back. Unique insight into hot topics such as next generation bare metal recovery and true system provisioning. This invaluable text will provide system administrators, and database administrators, as well as senior IT managers and decision makers with a thorough understanding of data management and protection. With contributions from Ray Schafer and Paul Mayer.

IBM Tivoli Storage Manager as a Data Protection Solution Larry Coyne,Gerd Becker,Rosane Langnor,Mikael Lindstrom,Pia Nymann,Felipe Peres,Norbert Pott,Julien Sauvanet,Gokhan Yildirim,IBM Redbooks,2014-08-15 When you hear IBM® Tivoli® Storage Manager, the first thing that you typically think of is data backup. Tivoli Storage Manager is the premier storage management solution for mixed platform environments. Businesses face a tidal wave of information and data that seems to increase daily. The ability to successfully and efficiently manage information and data has become imperative. The Tivoli Storage Manager family of products helps businesses successfully gain better control and efficiently manage the information tidal wave through significant enhancements in multiple facets of data protection. Tivoli Storage Manager is a highly scalable and available data protection solution. It takes data protection scalability to the next level with a relational database, which is based on IBM DB2® technology. Greater availability is delivered through enhancements such as online, automated database reorganization. This IBM Redbooks® publication describes the evolving set of data-protection challenges and how capabilities in Tivoli Storage Manager can best be used to address those challenges. This book is more than merely a description of new and changed functions in Tivoli Storage Manager; it is a guide to use for your overall data protection solution.

Site Reliability Engineering Niall Richard Murphy,Betsy Beyer,Chris Jones,Jennifer Petoff,2016-03-23 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

SAP HANA on IBM Power Systems Backup and Recovery Solutions Dino Quintero, Rosane Goldstein, Adriana Melges Quintanilha Weingart, Pia Nymann, Andrei Socoliuc, IBM Redbooks, 2021-05-27 This IBM® Redpaper Redbooks publication provides guidance about a backup and recovery solution for SAP High-performance Analytic Appliance (HANA) running on IBM Power Systems. This publication provides case studies and how-to procedures that show backup and recovery scenarios. This publication provides information about how to protect data in an SAP HANA environment by using IBM Spectrum® Protect and IBM Spectrum Copy Data Manager. This publication focuses on the data protection solution, which is described through several scenarios. The information in this publication is distributed on an as-is basis without any warranty that is either expressed or implied. Support assistance for the use of this material is limited to situations where IBM Spectrum Scale or IBM Spectrum Protect are supported and entitled, and where the issues are specific to a blueprint implementation. The goal of the publication is to describe the best aspects and options for backup, snapshots, and restore of SAP HANA Multitenant Database Container (MDC) single and multi-tenant installations on IBM Power Systems by using theoretical knowledge, hands-on exercises, and documenting the findings through sample scenarios. This document provides resources about the following processes: Describing how to determine the best option, including SAP Landscape aspects to back up, snapshot, and restore of SAP HANA MDC single and multi-tenant installations based on IBM Spectrum Computing Suite, Red Hat Linux Relax and Recover (ReAR), and other products. Documenting key aspects, such as recovery time objective (RTO) and recovery point objective (RPO), backup impact (load, duration, scheduling), quantitative savings (for example, data deduplication), integration and catalog currency, and tips and tricks that are not covered in the product documentation. Using IBM Cloud® Object Storage and documenting how to use IBM Spectrum Protect to back up to the cloud. SAP HANA 2.0 SPS 05 has this feature that is built in natively. IBM Spectrum Protect for Enterprise Resource Planning (ERP) has this feature too. Documenting Linux ReAR to cover operating system (OS) backup because ReAR is used by most backup products, such as IBM Spectrum Protect and Symantec Endpoint Protection (SEP) to back up OSs. This publication targets technical readers including IT specialists, systems architects, brand specialists, sales teams, and anyone looking for a guide about how to implement the best options for SAP HANA backup and recovery on IBM Power Systems. Moreover, this publication provides documentation to transfer the how-to-skills to the technical teams and solution guidance to the sales team. This publication complements the documentation that is available at IBM Knowledge Center, and it aligns with the educational materials that are provided by IBM Garage™ for Systems Technical Education and Training.

Backup Book Dorian Cougias, 2003-07-01 Detailing what can go wrong in backup and recovery and how that applies to the various backup methods available, this book couples that information with recovery and business continuity tactics played out over the backdrop of various real-world scenarios. Covered is how freezes, corruption, and loss affects documents, equipment, and day-to-day business activities, and the cost of downtime and job re-creation is explained in a way that builds the best budget for availability, backup, and recovery. Protection and restoration of user data and from various locations and times is also covered, as well as how to keep a business running after a power failure, network failure, or other unforeseen act occurs.

Implementing IBM Storage Data Deduplication Solutions Alex Osuna, Eva Balogh, Alexandre Ramos Galante de Carvalho, Rucel F. Javier, Zohar Mann, IBM Redbooks, 2011-03-24 Until now, the only way to capture, store, and effectively retain constantly growing amounts of enterprise data was to add more disk space to the storage infrastructure, an approach that can quickly become cost-prohibitive as information volumes continue to grow and capital budgets for infrastructure do not. In this IBM® Redbooks® publication, we introduce data deduplication, which has emerged as a key technology in dramatically reducing the amount of, and therefore the cost associated with storing, large amounts of data. Deduplication is the art of intelligently reducing storage needs through the elimination of redundant data so that only one instance of a data set is actually stored. Deduplication reduces data an order of magnitude better than common data compression techniques. IBM has the broadest portfolio of deduplication solutions in the industry, giving us the freedom to solve customer issues with the most effective technology. Whether it is source or target, inline or post, hardware or software, disk or tape, IBM has a solution with the technology that best solves the problem. This IBM Redbooks publication covers the current deduplication solutions that IBM has to offer: IBM ProtecTIER® Gateway and Appliance IBM Tivoli® Storage Manager IBM System Storage® N series Deduplication

Implementing Backup and Recovery David B Little, 2003-08-05 Offers the first comprehensive reference on the topic of backup systems for both UNIX and Windows NT Provides a complete tutorial on the general topic of data backup systems along with a detailed, step-by-step guide for planning and full implementation of backup systems Authors include personal tips and strategic and tactical advice gained from many company implementations Uses VERITAS NetBackup product to illustrate backup system functions

Backup Fanatic Domenic DiSario, 2015-04-27 Definitive Guide to backing up your personal and business data. How to Ensure Business Continuity by Delivering Continuous Protection, Secured Storage, Data Compliance, and Instant Data Recovery.

Effective MySQL Backup and Recovery Ronald Bradford, 2012-05-22 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

Backing Up in Windows 10: Never Lose Data Again, Using Tools You Already Have and Tools You Get for Free Leo A. Notenboom,2018-01-25 Backups are confusing! It's something I talk about often: nothing is more important than backing up. Anything can happen, and everything can be lost. The problem? Backing up is confusing and it's much harder than it should be. That is, of course, unless you have help. Backing Up in Windows 10 is here to help you get backed up. Tools you already have Backing Up in Windows 10 shows you how to use the tools you already have -- the tools built in to Windows 10 itself -- to protect yourself with a top-to-bottom backup. Making and restoring Image Backups to save absolutely everything on your computer. Restoring individual files from an Image Backup, so you don't have to restore everything just to get a few things. Setting up File History to make nearly continuous backups as you work, and well as restore files it's saved for you. How to use OneDrive to act as your automatic off-site backup. How to use all three -- Image Backups, File History, and OneDrive -- to recover from the nastiest of the nasty: ransomware! But that's not all. Inexplicably, Microsoft may be removing some backup tools from future versions of Windows 10. Not a problem! I've got you covered. Tools you can get for free In preparation for Microsoft's (can I say boneheaded?) decision, I'm including chapters to: Create an image backup Create an emergency disk Restore an image backup Extract individual files from an image ... all using the FREE version of EaseUS Todo backup software. Heck, using a third-party program like EaseUS Todo is exactly what Microsoft recommends. Also included On registering your book you'll also get access to: A downloadable PDF version you can read on any device capable of displaying PDF files. A downloadable MOBI version of the book, ideal for Kindle. A downloadable EPUB version of the book, ideal for a variety of other ebook readers. Prioritized support to get your questions answered. Updates for life Once you purchase and register the book, you're entitled to digital updates for life. As the book is updated, corrections made, or even new editions published, you'll have immediate access to the digital downloads.

Unveiling the Power of Verbal Artistry: An Mental Sojourn through **Backup Data**

In a global inundated with screens and the cacophony of instantaneous communication, the profound energy and mental resonance of verbal art usually diminish into obscurity, eclipsed by the constant onslaught of sound and distractions. Yet, situated within the lyrical pages of **Backup Data**, a fascinating work of fictional elegance that pulses with organic thoughts, lies an wonderful journey waiting to be embarked upon. Composed with a virtuoso wordsmith, this interesting opus books readers on an emotional odyssey, delicately exposing the latent possible and profound influence stuck within the intricate web of language. Within the heart-wrenching expanse of this evocative examination, we can embark upon an introspective exploration of the book is main themes, dissect its charming publishing model, and immerse ourselves in the indelible impact it leaves upon the depths of readers souls.

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