



IBM Tivoli Storage Manager overview


In this chapter we present an overview of the new functionality and changes that come with the IBM Tivoli Storage Manager Version 6.1. In a separate chapter we detail the cumulative changes in the releases since Version 5.5.0, when the previous Technical Guide was published.

We discuss the following major areas of change:

- Server enhancements, additions, and changes
- Client enhancements, additions, and changes
- Additional Tivoli Storage Manager features

Tivoli Storage Manager User Guide

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Tivoli Storage Manager User Guide:

SAP Backup using Tivoli Storage Manager Budi Darmawan, Miroslav Dvorak, Dhruv Harnal, Gerson Makino, Markus Molnar, Rennad Murugan, Marcos Silva, IBM Redbooks, 2013-04-26 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 *Tivoli Storage Manager for Virtual Environments - Data Protection for VMware Deployment Guide* Julien Sauvanet, Mikael Lindstrom, IBM Redbooks, 2013-11-25 This IBM Redpaper™ publication helps you to install tailor configure and use IBM Tivoli Storage Manager for Virtual Environments Data Protection for VMware The features of Tivoli Storage Manager for Virtual Environments Data Protection for VMware are described Scenarios are provided for implementation of Tivoli Storage Manager Virtual Environment to protect virtual machines in several environments This publication includes answers to common implementation errors and questions you might have that are related to the implementation of Data Protection for VMware 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 IBM Information Infrastructure Solutions Handbook Sangam Racherla,Vikas Bajaj,Emile Knebel,Glenn Korn,Anna Kutepova,Gary Newell,Sebastian Szumczyk,IBM Redbooks,2010-07-11 An information infrastructure is comprised of software servers storage and networks integrated and optimized to deliver timely secure and trusted information throughout the organization and to its clients and partners With the explosive growth in data and information coupled with demands for projects with rapid ROI IT infrastructures and storage administrators are reaching a breaking point IBM can help with the changes needed to manage information availability security and regulatory and compliance requirements on a tighter budget And because the health of any business often depends on its ability to take advantage of information in real time a sound intelligent information infrastructure becomes critical to supporting new growth initiatives IBM offers an innovative approach to help you manage information growth more effectively and mitigate risks with a dynamic infrastructure that efficiently and securely stores and protects information and optimizes information access You can control protect manage and gain new intelligence from your information with the IBM leading edge Information Infrastructure products services and integrated solutions supported by world class expertise and access to top experts from around the world This IBM Redbooks publication provides an overview of the IBM Information Infrastructure solutions that are designed to help you manage the information explosion and address challenges of information compliance availability retention and security This will lead your company toward improved productivity service delivery and reduced risk while streamlining costs

Using the IBM System Storage N series with IBM Tivoli Storage Manager Alex Osuna,Roland Tretau,IBM Redbooks,2010-04-29 IBM as a result of its recent product introduction of the IBM System Storage™ N series has become more tightly integrated with network attached storage NAS exploiting the backup and recovery features of the N series and Network Appliance™ storage systems This IBM Redbooks publication provides detailed descriptions and setup instructions practical examples and best practices for backing up the IBM System Storage N series using the IBM Tivoli Storage Manager This book includes descriptions and instructions for using the latest enhancements made to IBM Tivoli Storage Manager specifically for the IBM System Storage N series and Network Appliance storage systems You will learn how to configure and set up the IBM System Storage N series and IBM Tivoli Storage Manager Version 5.3 and 6.1 using NDMP backup and restore functions We address the following topics Configuring the N series for Network Data Management Protocol NDMP usage Using the IBM Tivoli Storage Manager software Backing up qtrees Single folder backup Single file folder restore Restoring using NDMP via GUI and command line interface Restoring from NDMP backup to an alternative site location on N series systems Integrating with Snapshot technology and SnapVault Using SnapShot differencing Using SnapMirror to Tape

IBM ProtecTIER Implementation and Best Practices Guide Karen Orlando, Mara Miranda Bautista, Emmanuel Barajas Gonzalez, Carlos A. Martinez Vazquez, IBM Redbooks, 2016-08-16 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 [IBM System Storage Business Continuity: Part 2 Solutions Guide](#)

Charlotte Brooks, Clem Leung, Aslam Mirza, Curtis Neal, Yin Lei Qiu, John Sing, Francis TH Wong, Ian R Wright, IBM Redbooks, 2009-06-09 This IBM Redbooks publication is a companion to IBM System Storage Business Continuity Part 1 Planning Guide SG24 6547 We assume that the reader of this book has understood the concepts of Business Continuity planning described in that book In this book we explore IBM System Storage solutions for Business Continuity within the three segments of Continuous Availability Rapid Recovery and Backup and Restore We position these solutions within the Business Continuity tiers We describe in general the solutions available in each segment then present some more detail on many of the products In each case the reader is pointed to sources of more information [IBM TS7700 Release 5.2.2 Guide](#)

Larry Coyne, Yuki Asakura, Ole Asmussen, Nielson 'Nino' de Carvalho, Derek Erdmann, Monica Falcone, Rin Fujiwara, Nobuhiko Furuya, Lourie Goodall, Joe Hew, Kousei Kawamura, Tony Makepeace, Erich Moraga, Stefan Neff, Tomoaki Ogino, Alberto Barajas Ortiz, Aderson Pacini, Trinidad Armando Rangel Ruiz, Michael Scott, Joe Swingler, Taisei Takai, Nao Takemura, Takahiro Tsuda, Chen Zhu, IBM Redbooks, 2022-07-07 This IBM Redbooks publication covers IBM TS7700 R5.2 The IBM TS7700 is part of a family of IBM Enterprise tape products This book is intended for system architects and storage administrators who want to integrate their storage systems for optimal operation Building on 25 years of experience the R5.2 release includes many

features that enable improved performance usability and security Highlights include IBM TS7700 Advanced Object Store an all flash TS7770 grid resiliency enhancements and Logical WORM retention By using the same hierarchical storage techniques the TS7700 TS7770 and TS7760 can also off load to object storage Because object storage is cloud based and accessible from different regions the TS7700 Cloud Storage Tier support essentially allows the cloud to be an extension of the grid As of this writing the TS7700C supports the ability to off load to IBM Cloud Object Storage Amazon S3 and RSTOR This publication explains features and concepts that are specific to the IBM TS7700 as of release R5 2 The R5 2 microcode level provides IBM TS7700 Cloud Storage Tier enhancements IBM DS8000 Object Storage enhancements Management Interface dual control security and other smaller enhancements The R5 2 microcode level can be installed on the IBM TS7770 and IBM TS7760 models only Note The latest Release 5 2 was split into two phases R5 2 Phase 1 also referred to as and R5 2 Phase 2 and R TS7700 provides tape virtualization for the IBM z environment Off loading to physical tape behind a TS7700 is used by hundreds of organizations around the world Tape virtualization can help satisfy the following requirements in a data processing environment New and existing capabilities of the TS7700 5 2 2 release includes the following highlights Eight way Grid Cloud which consists of up to three generations of TS7700 Synchronous and asynchronous replication of virtual tape and TCT objects Grid access to all logical volume and object data that is independent of where it exists An all flash TS7770 option for improved performance Full Advanced Object Store Grid Cloud support of DS8000 Transparent Cloud Tier Full AES256 encryption for data that is in flight and at rest Tight integration with IBM Z and DFSMS policy management DS8000 Object Store AES256 in flight encryption and compression Regulatory compliance through Logical WORM and LWORM Retention support Cloud Storage Tier support for archive logical volume version and disaster recovery Optional integration with physical tape 16 Gb IBM FICON throughput that exceeds 5 GBps per TS7700 cluster Grid Resiliency Support with Control Unit Initiated Reconfiguration CUIR support IBM Z hosts view up to 3 968 common devices per TS7700 grid TS7770 Cache On demand feature that is based capacity licensing TS7770 support of SSD within the VED server The TS7700T writes data by policy to physical tape through attachment to high capacity high performance IBM TS1160 IBM TS1150 and IBM TS1140 tape drives that are installed in an IBM TS4500 or TS3500 tape library The TS7770 models are based on high performance and redundant IBM POWER9™ technology They provide improved performance for most IBM Z tape workloads when compared to the previous generations of IBM TS7700

Organic and Pervasive Computing -- ARCS 2004 Christian Müller-Schloer, Theo Ungerer, Bernhard Bauer, 2004-02-12 Where is system architecture heading The special interest group on Computer and Systems Architecture Fachausschuss Rechner und Systemarchitektur of the German computer and information technology associations GI and ITG addressed this question and discussed it during two Future Workshops in 2002 The result in a nutshell Everything will change but everything else will remain Future systems technologies will build on a mature basis of silicon and IC technology onwell

understood programming languages and software engineering techniques and on well established operating systems and middleware concepts Newer and still exotic but exciting technologies like quantum computing and DNA processing are to be watched closely but they will not be mainstream in the next decade Although there will be considerable progress in these basic technologies is there any major trend which unifies these diverse developments There is a common denominator according to the result of the two future Workshops which marks a new quality The challenge for future systems technologies lies in the mastering of complexity Rigid and inflexible systems built under a strict top down regime have reached the limits of manageable complexity as has become obvious by the recent failure of several large scale projects Nature is the most complex system we know and she has solved the problem somehow We just haven't understood exactly how nature does it But it is clear that systems designed by nature like an anthill or a beehive or a swarm of birds or a city are different from today's technical systems that have been designed by engineers and computer scientists

IBM Tivoli Storage Productivity Center Beyond the Basics Karen Orlando, Robin Badart, Andy Benbenek, Tiberiu Hajas, Dave Remkus, Christian Sonder, IBM Redbooks, 2017-01-09 You have installed and performed the basic customization of IBM Tivoli Storage Productivity Center You have collected performance data and generated reports Now it's time to learn the best ways to use the software to manage your storage infrastructure This IBM Redbooks publication shows the best way to set up the software based on your storage environment and then how to use it to manage your infrastructure It includes experiences from IBM clients and staff and covers the following topics Architectural design techniques sizing your environment single versus multiple installations physical versus virtual servers deployment in a large existing storage infrastructure Database and server considerations database backup and restoration methods and scripts using IBM Data Studio Client for database administration database placement and relocation repository sizing and tuning moving and migrating the server Alerting monitoring and reporting monitoring thresholds and alerts performance management and analysis of reports real time performance monitoring for IBM SAN Volume Controller Security considerations Tivoli Storage Productivity Center internal user IDs user authentication configuration methods how and why to set up and change passwords configuring querying and testing LDAP and Microsoft Active Directory Health checks server health and logs health and recoverability of IBM DB2 databases using the Database Maintenance tool Data management techniques how to spot unusual growth incidents scripted actions for Tivoli Storage manager and hierarchical storage management This book is for storage administrators who are responsible for the performance and growth of the IT storage infrastructure This publication was updated in January 2017 to reflect the latest support information

Harnessing the Power of ProtecTIER and Tivoli Storage Manager Karen Orlando, Dennis Huff, Adriana Pellegrini Furnielis, IBM Redbooks, 2014-08-19 This IBM Redbooks publication will help you install tailor and configure IBM ProtecTIER products with IBM Tivoli Storage Manager to harness the performance and the power of the two products working together as a data protection solution This book goes beyond the preferred practices of each product and

provides in depth explanations of each of the items that are configurable and the underlying reasons behind the suggestions This book provides enough detailed information to allow an administrator to make the correct choices about which methods to use when implementing both products to meet and to exceed the business requirements This publication provides descriptions and guidance about the following topics Terminology and concepts of ProtecTIER and Tivoli Storage Manager Planning for ProtecTIER to run with Tivoli Storage Manager Setup and configuration of the IBM ProtecTIER device as a storage pool in the Tivoli Storage Manager environment primarily as a Virtual Tape Library VTL interface with a description as a File System Interface FSI Day to day administration of ProtecTIER when it is used in a Tivoli Storage Manager environment Overview of how to plan for disaster recovery in a ProtecTIER and Tivoli Storage Manager environment Monitoring and problem solving How a system administrator can review ProtecTIER logs and Tivoli Storage Manager server logs to identify the source of problems Hints tips and use cases for ProtecTIER and Tivoli Storage Manager administrators This book is intended for storage administrators and architects who have ordered and installed IBM ProtecTIER Products and want to implement Tivoli Storage Manager as part of a data protection solution This book is also intended for anyone that wants to learn more about applying and using the benefits of ProtecTIER running with Tivoli Storage Manager *IBM Content Manager OnDemand Guide* Zhu Wei-Dong,Jim Ilardi,Deborah Matamoros,Trina D Morgans,Paula Muir,Hassan A Shazly,Edward E Stonesifer,Vanessa T Stonesifer,Sebastian Welter,IBM Redbooks,2016-05-04 This IBM Redbooks publication provides a practical guide to the design installation configuration and maintenance of IBM Content Manager OnDemand Version 9 5 Content Manager OnDemand manages the high volume storage and retrieval of electronic statements and provides efficient enterprise report management Content Manager OnDemand transforms formatted computer output and printed reports such as statements and invoices into electronic information for easy report management Content Manager OnDemand helps eliminate costly high volume print output by capturing indexing archiving and presenting electronic information for improved customer service This publication covers the key areas of Content Manager OnDemand some of which might not be known to the Content Manager OnDemand community or are misunderstood The book covers various topics including basic information in administration database structure storage management and security In addition the book covers data indexing loading conversion and expiration Other topics include user exits performance retention management records management and many more Because many other resources are available that address subjects on different platforms this publication is not intended as a comprehensive guide for Content Manager OnDemand Rather it is intended to complement the existing Content Manager OnDemand documentation and provide insight into the issues that might be encountered in the setup and use of Content Manager OnDemand This book is intended for individuals who need to design install configure and maintain Content Manager OnDemand *IBM TS7700 Release 4.2 Guide* Larry Coyne,Derek Erdmann,Joe Hew,Sosuke Matsui,Alberto Barajas Ortiz,Aderson Pacini,Michael Scott,Chen Zhu,IBM Redbooks,2019-04-19

This IBM Redbooks publication covers IBM TS7700 R4 2 The IBM TS7700 is part of a family of IBM Enterprise tape products This book is intended for system architects and storage administrators who want to integrate their storage systems for optimal operation Building on over 20 years of virtual tape experience the TS7760 now supports the ability to store virtual tape volumes in an object store The TS7700 has supported off loading to physical tape for over two decades Off loading to physical tape behind a TS7700 is utilized by hundreds of organizations around the world Using the same hierarchical storage techniques the TS7700 can also off load to object storage Given object storage is cloud based and accessible from different regions the TS7760 Cloud Storage Tier support essentially allows the cloud to be an extension of the grid As of the release of this document the TS7760C supports the ability to off load to IBM Cloud Object Storage as well as Amazon S3 To learn about the TS7760 cloud storage tier function planning implementation best practices and support see IBM Redpaper IBM TS7760 R4 2 Cloud Storage Tier Guide redp 5514 at <http://www.redbooks.ibm.com/abstracts/redp5514.html> The IBM TS7700 offers a modular scalable and high performance architecture for mainframe tape virtualization for the IBM Z environment It is a fully integrated tiered storage hierarchy of disk and tape This storage hierarchy is managed by robust storage management microcode with extensive self management capability It includes the following advanced functions Improved reliability and resiliency Reduction in the time that is needed for the backup and restore process Reduction of services downtime that is caused by physical tape drive and library outages Reduction in cost time and complexity by moving primary workloads to virtual tape More efficient procedures for managing daily backup and restore processing Infrastructure simplification through reduction of the number of physical tape libraries drives and media TS7700 delivers the following new capabilities TS7760C supports the ability to off load to IBM Cloud Object Storage as well as Amazon S3 8 way Grid Cloud consisting of any generation of TS7700 Synchronous and asynchronous replication Tight integration with IBM Z and DFSMS policy management Optional Transparent Cloud Tiering Optional integration with physical tape Cumulative 16Gb FICON throughput up to 4 8GB s 8 IBM Z hosts view up to 496 8 equivalent devices Grid access to all data independent of where it exists The TS7760T writes data by policy to physical tape through attachment to high capacity high performance IBM TS1150 and IBM TS1140 tape drives installed in an IBM TS4500 or TS3500 tape library The TS7760 models are based on high performance and redundant IBM POWER8 technology They provide improved performance for most IBM Z tape workloads when compared to the previous generations of IBM TS7700

[SONAS Implementation and Best Practices Guide](#)

Mary Lovelace, Jichan Chong, Marcos Figueiredo Jr, Curtis Neal, Gabor Penzes, Naren Rajasingam, Joe Roa, Alexander Saupp, John Sing, Shradha Nayak Thakare, Mladen Vukoje, IBM Redbooks, 2012-07-27 IBM Scale Out Network Attached Storage SONAS is a Scale Out NAS offering designed to manage vast repositories of information in enterprise environments requiring very large capacities high levels of performance and high availability The IBM SONAS appliance provides a range of reliable scalable storage solutions for a variety of storage requirements These capabilities are achieved by using network

access protocols such as NFS CIFS HTTPS FTP and SCP Using built in RAID technologies all data is well protected with options to add additional protection through mirroring replication snapshots and backup These storage systems are also characterized by simple management interfaces that make their installation administration and troubleshooting uncomplicated and straightforward This IBM Redbooks publication is the companion to the IBM Redbooks publication SONAS Concepts Architecture and Planning Guide SG24 7963 It is intended for storage administrators who have ordered their SONAS solution and are ready to install customize and use it A quick start scenario takes you through common SONAS administration tasks to familiarize you with the SONAS system through the GUI and CLI Backup and availability scenarios as well as best practices for setting up and troubleshooting hints and tips are included [IBM Enterprise Content Management and IBM Information Archive: Providing the Complete Solution](#) Wei-Dong Zhu,Roger Bacalzo,John Clifton,Ahmed Dewidar,Guillermo Gomez,Hassan Shazly,IBM Redbooks,2011-01-19 The need to archive information is on the rise driven by content and data growth regulatory compliance legal discovery and data protection requirements The IBM Smart Archive strategy is a comprehensive unified and integrated archive strategy that combines IBM software systems and service capabilities that are designed to help organizations extract value and to gain new intelligence from information by collecting organizing analyzing and using that information IBM Enterprise Content Management ECM products and offerings combined with the IBM Information Archive device provides the type of end to end Smart Archive solution that is a critical component of the IBM Smart Archive strategy This IBM Redpaper™ publication focuses on the benefit and technical details of the integration of ECM products and offering with the Information Archive device We explain the need and concept behind the IBM Smart Archive strategy provide an overview of the Information Archive device and ECM products and offerings and discuss how integrating them can benefit an organization The technical details that we provide include integrating the Information Archive device with the following ECM products and offerings IBM FileNet P8 IBM Content Manager IBM Content Manager OnDemand The Information Archive for Email Files and eDiscovery solution comes with the preintegrated and preconfigured Information Archive device and the preinstalled ECM software The paper introduces technical sales people and IT specialists to the IBM Smart Archive strategy and the integration of Information Archive and ECM products and offerings At the same time it provides IT specialists specific guidance about performing the integrations [IBM Midmarket Software Buying and Selling Guide](#) LindaMay Patterson,IBM Redbooks,2010-07-12 The IBM Midmarket Software Buying and Selling Guide is tailored specifically to help the management and IT staff of small and midsize businesses evaluate how the IBM midmarket portfolio can provide simple and cost effective solutions to common business problems Along with a midmarket customer focus this IBM Redpaper™ publication is designed to help IBM teams and Business Partners be more effective in serving small and midsize businesses We illustrate how IBM software for the midmarket can help businesses use the Web to reduce expenses improve customer service and expand into new markets We cover the IBM

software offering for the midmarket which includes what the software does the platforms it runs on where to find more information and how it can help your business become more profitable IBM Business Partners often keep a printed copy of this guide in their briefcases for software references Customers can view this guide online and look up software value messages and IBM product family offering comparisons IBM Sales Representatives can print parts of this guide as leave behinds for customers to give them extra collateral on midmarket software of interest To make sure that you have the latest version of this guide download it from this web address <http://www.redbooks.ibm.com/abstracts/redp3975.html> Open [IBM Spectrum Archive Enterprise Edition V1.2.6 Installation and Configuration Guide](#) Larry Coyne,Khanh Ngo,Illarion Borisevich,Markus Schäfer,IBM Redbooks,2019-04-19 Note This is a republication of IBM Spectrum Archive Enterprise Edition V1 2 6 Installation and Configuration Guide with new book number SG24 8445 to keep the content available on the Internet along with the recent publication IBM Spectrum Archive Enterprise Edition V1 3 0 Installation and Configuration Guide SG24 8333 This IBM Redbooks publication helps you with the planning installation and configuration of the new IBM Spectrum™ Archive V1 2 6 for the IBM TS3310 IBM TS3500 IBM TS4300 and IBM TS4500 tape libraries IBM Spectrum Archive™ EE enables the use of the LTFS for the policy management of tape as a storage tier in an IBM Spectrum Scale™ based environment It helps encourage the use of tape as a critical tier in the storage environment This is the sixth edition of IBM Spectrum Archive Installation and Configuration Guide IBM Spectrum Archive EE can run any application that is designed for disk files on a physical tape media IBM Spectrum Archive EE supports the IBM Linear Tape Open LTO Ultrium 8 7 6 and 5 tape drives in IBM TS3310 TS3500 TS4300 and TS4500 tape libraries In addition IBM TS1155 TS1150 and TS1140 tape drives are supported in TS3500 and TS4500 tape library configurations IBM Spectrum Archive EE can play a major role in reducing the cost of storage for data that does not need the access performance of primary disk The use of IBM Spectrum Archive EE to replace disks with physical tape in tier 2 and tier 3 storage can improve data access over other storage solutions because it improves efficiency and streamlines management for files on tape IBM Spectrum Archive EE simplifies the use of tape by making it transparent to the user and manageable by the administrator under a single infrastructure This publication is intended for anyone who wants to understand more about IBM Spectrum Archive EE planning and implementation This book is suitable for IBM clients IBM Business Partners IBM specialist sales representatives and technical specialists [Implementing OpenStack SwiftHLM with IBM Spectrum Archive EE or IBM Spectrum Protect for Space Management](#) Khanh Ngo,Harald Seipp,Slavisa Sarafijanovic,Dominic Miller-Wicke,Simon Lorenz,Takeshi Ishimoto,Larry Coyne,IBM Redbooks,2017-06-27 The Swift High Latency Media project seeks to create a high latency storage back end that makes it easier for users to perform bulk operations of data tiering within a Swift data ring In today's world data is produced at significantly higher rates than a decade ago The storage and data management solutions of the past can no longer keep up with the data demands of today The policies and structures that decide and execute how that data is used

discarded or retained determines how efficiently the data is used The need for intelligent data management and storage is more critical now than ever before Traditional management approaches hide cost effective high latency media HLM storage such as tape or optical disk archive back ends underneath a traditional file system The lack of HLM aware file system interfaces and software makes it difficult for users to understand and control data access on HLM storage Coupled with data access latency this lack of understanding results in slow responses and potential time outs that affect the user experience The Swift HLM project addresses this challenge Running OpenStack Swift on top of HLM storage allows you to cheaply store and efficiently access large amounts of infrequently used object data Data that is stored on tape storage can be easily adopted to an Object Storage data interface This IBM Redpaper™ publication describes the Swift High Latency Media project and provides guidance for installation and configuration [Large-Scale Distributed Computing and Applications: Models and Trends](#) Cristea, Valentin,Dobre, Ciprian,Stratan, Corina,Pop, Florin,Costan, Alexandru,2010-05-31 Many applications follow the distributed computing paradigm in which parts of the application are executed on different network interconnected computers The extension of these applications in terms of number of users or size has led to an unprecedented increase in the scale of the infrastructure that supports them Large Scale Distributed Computing and Applications Models and Trends offers a coherent and realistic image of today s research results in large scale distributed systems explains state of the art technological solutions for the main issues regarding large scale distributed systems and presents the benefits of using large scale distributed systems and the development process of scientific and commercial distributed applications **IT Policy and Ethics: Concepts, Methodologies, Tools, and Applications** Management Association, Information Resources,2013-02-28 IT policies are set in place to streamline the preparation and development of information communication technologies in a particular setting IT Policy and Ethics Concepts Methodologies Tools and Applications is a comprehensive collection of research on the features of modern organizations in order to advance the understanding of IT standards This is an essential reference source for researchers scholars policymakers and IT managers as well as organizations interested in carrying out research in IT policies

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Tivoli Storage Manager User Guide Introduction

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