

Ibm Tape Library

IBM 3495 Promotional Video IBM System Storage Tape Library ts3500 ts4500 robotic-dual-sing.Action The mesmerizing work of a tape storage robot How To Change Tape Drive / Cartridge On IBM TS3100 Tape Library Storage Server | Content Creator pro Shawn Brume, IBM "Tape Roadmaps and Tape Library Innovation"/FUJIFILM IBM Tape History - Session 1: Tape Media Part 1 Unintentional ASMR ☐ Relaxing Retro Macintosh Demonstration (1984) Quick Book Tape Tip: Save Your Books The Special Design That Makes Library Books Indestructible Book Collecting Q\u0026A | How To Build Your Home Library 2 Config Tape library Book Obsessed - A Collector With Over 35,000 Books TOURING my CLASSICS BOOKCASE!! (93 BOOKS) | Paiging Through IBM and HP 9-track tape drives in operation 1986 IBM Computer Training Video - 3480 Automatic Cartridge Loader My Home Library Tour ☐ | 1000+ books | bookshelf tour IBM Tape History - Session 3: 3480 Tape Drive Inside a Storagetek 9310 tape library Web camera mounted insite an IBM TS4500 tape library IBM Tape library robotic error Tandberg Exabyte Magnum 224 Robotic Tape Library Tape Drives As Fast As Possible IBM Tape History - Session 2: Overview of Tape Products and Product Management Part 2 IBM 1620 Software Library Virtual Tape Library (VTL) Technology for IBM i Understanding Virtual Tape Backup For IBM i IBM Research sets new record for tape storage IBM Tape History - Session 1: Tape Media Part 2 IBM 3576 (TS3310) Control Unit Replacement
 IBM TotalStorage Virtual Tape Server
 Guide to Sharing and Partitioning Ibm Tape Library Data
 IBM Spectrum Archive Single Drive Edition and Library Edition: Installation and Configuration Guide
 IBM Spectrum Archive Enterprise Edition V1.2.6 Installation and Configuration Guide
 IBM TS4500 R7 Tape Library Guide
 IBM TS7700 Release 4.2 Guide
 IBM TS4500 R5 Tape Library Guide
 IBM Ts4500 R2 Tape Library Guide
 IBM Ts3500 Tape Library With System Z Attachment
 IBM TS4500 Tape Library Guide
 IBM TotalStorage 3584 Tape Library for ZSeries Hosts
 IBM TS4500 R8 Tape Library Guide
 IBM System Storage Tape Library Guide for Open Systems
 IBM TS4500 R5 Tape Library Guide
 IBM System Storage Solutions Handbook
 Implementing IBM Tape in I5/OS
 IBM Tape Library Guide for Open Systems
 IBM Tape Library Guide for Open Systems
 IBM Linear Tape File System Enterprise Edition V1.1.1.2: Installation and Configuration Guide

Ibm Tape Library

OMB No. 0542873617132 edited by

GRETCHEN DEMARION

[IBM TotalStorage Virtual Tape Server](#) IBM Redbooks

Abstract This IBM® Redbooks® publication presents a general introduction to the latest IBM tape and tape library technologies. Featured tape technologies include the IBM LTO Ultrium and Enterprise 3592 tape drives, and their implementation in IBM tape libraries. This 16th edition introduces the new TS1160 tape drive with up to 20 TB capacity on JE media and the latest updates to the IBM TS4500 and TS4300 tape libraries, It includes generalized sections about Small Computer System Interface (SCSI) and Fibre Channel connections, and multipath architecture configurations. This book also covers tools and techniques for library management. It is intended for anyone who wants to understand more about IBM tape products and their implementation. It is suitable for IBM clients, IBM Business Partners, IBM specialist sales representatives, and technical specialists. If you do not have a background in computer tape storage products, you might need to read other sources of information. In the interest of being concise, topics that are generally understood are not covered in detail.

Guide to Sharing and Partitioning Ibm Tape Library Data IBM Redbooks

Abstract This IBM® Redbooks® publication presents a general introduction to the latest IBM tape and tape library technologies. Featured tape technologies include the IBM LTO Ultrium and Enterprise 3592 tape drives, and their implementation in IBM tape libraries. This 16th edition introduces the new TS1160 tape drive with up to 20 TB capacity on JE media and the latest updates to the IBM TS4500 and TS4300 tape libraries, It includes generalized sections about Small Computer System Interface (SCSI) and Fibre Channel connections, and multipath architecture configurations. This book also covers tools and techniques for library management. It is intended for anyone who wants to understand more about IBM tape products and their implementation. It is suitable for IBM clients, IBM Business Partners, IBM specialist sales representatives, and technical specialists. If you do not have a background in computer tape storage products, you might need to read other sources of information. In the interest of being concise, topics that are generally understood are not covered in detail.

IBM Spectrum Archive Single Drive Edition and Library Edition: Installation and Configuration Guide

IBM.Com/Redbooks

IBM System Storage Tape Library Guide for Open Systems

IBM Spectrum Archive Enterprise Edition V1.2.6 Installation and Configuration Guide

IBM.Com/Redbooks

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.

IBM TS4500 R7 TAPE LIBRARY GUIDE

IBM Redbooks

This IBM® Redbooks® publication helps you with the planning, installation, and configuration of the new IBM Spectrum® Archive Enterprise Edition (EE) Version 1.3.2.2 for the IBM TS4500, IBM TS3500, IBM TS4300, and IBM TS3310 tape libraries. IBM Spectrum Archive Enterprise Edition enables the use of the LTFS for the policy management of tape as a storage tier in an IBM Spectrum Scale based environment. It also helps encourage the use of tape as a critical tier in the storage environment. This edition of this publication is the tenth 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 9, 8, 7, 6, and 5 tape drives. and the IBM TS1160, TS1155, TS1150, and TS1140 tape drives. 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 customers, IBM Business Partners, IBM specialist sales representatives, and technical specialists.

IBM TS7700 Release 4.2 Guide IBM.Com/Redbooks

Abstract The IBM® TS4500 (TS4500) tape library is a next-generation tape solution that offers higher storage density and integrated management than previous solutions. This IBM Redbooks® publication gives you a close-up view of the new IBM TS4500 tape library. In the TS4500, IBM delivers the density that today's and tomorrow's data growth requires. It has the cost-effectiveness and the manageability to grow with business data needs, while you preserve existing investments in IBM tape library products. Now, you can achieve both a low cost per terabyte (TB) and a high TB density per square foot, because the TS4500 can store up to 8.25 petabytes (PB) of uncompressed data in a single frame library or scale up at 1.5 PB per square foot to over 263 PB, which is more than 4 times the capacity of the IBM TS3500 tape library. The TS4500 offers these benefits: High availability dual active accessors with integrated service bays to reduce inactive service space by 40%. The Elastic Capacity option can be used to completely eliminate inactive service space. Flexibility to grow: The TS4500 library can grow from both the right side and the left side of the first L frame because models can be placed in any active position. Increased capacity: The TS4500 can grow from a single L frame up to an additional 17 expansion frames with a capacity of over 23,000 cartridges. High-density (HD) generation 1 frames from the existing TS3500 library can be redeployed in a TS4500. Capacity on demand (CoD): CoD is supported through entry-level, intermediate, and base-capacity configurations. Advanced Library Management System (ALMS): ALMS supports dynamic storage management, which enables users to create and change logical libraries and configure any drive for any logical library. Support for the IBM TS1155 while also supporting TS1150 and TS1140 tape drive: The TS1155 gives organizations an easy way to deliver fast access to data, improve security, and provide long-term retention, all at a lower cost than disk solutions. The TS1155 offers high-performance, flexible data storage with support for data encryption. Also, this enhanced fifth-generation drive can help protect investments in tape automation by offering compatibility with existing automation. The new TS1155 Tape Drive Model 55E delivers a 10 Gb Ethernet host attachment interface optimized for cloud-based and hyperscale environments. The TS1155 Tape Drive Model 55F delivers a native data rate of 360 MBps, the same lo ...

[IBM TS4500 R5 Tape Library Guide](#) IBM Redbooks

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.

IBM Ts4500 R2 Tape Library Guide IBM System Storage Tape Library Guide for Open Systems This IBM® Redbooks® publication presents a general introduction to Linear Tape-Open (LTO) technology and the implementation of corresponding IBM products. The IBM Enterprise 3592 Tape Drive also is described. This tenth edition includes information about the latest enhancements to the IBM Ultrium family of tape drives and tape libraries. In particular, it includes details of the latest IBM LTO Ultrium 6 tape drive technology and its implementation in IBM tape libraries. Information is included about the recently released, enhanced, higher-performance ProtecTIER servers and the features of the new version 3.2 server software. The new software also enables a new feature, the File System Interface (FSI). It also contains technical information about each IBM tape product for Open Systems. It includes generalized sections about Small Computer System Interface (SCSI) and Fibre Channel connections and multipath architecture configurations. This book also includes information about tools and techniques for library management. This edition includes details about Tape System Library Manager (TSLM). TSLM provides consolidation and simplification in large TS3500 Tape Library environments, including the IBM Shuttle Complex. This publication is intended for anyone who wants to understand more about IBM tape products and their implementation. This book is suitable for IBM clients, IBM Business Partners, IBM specialist sales representatives, and technical specialists. If you do not have a background in computer tape storage products, you might need to reference other sources of information. In the interest of being concise, topics that are generally understood are not covered in detail.

IBM Tape Library Guide for Open Systems Abstract This IBM® Redbooks® publication presents a general introduction to the latest IBM tape and tape library technologies. Featured tape technologies include the IBM LTO Ultrium and Enterprise 3592 tape drives, and their implementation in IBM tape libraries. This 16th edition introduces the new TS1160 tape drive with up to 20 TB capacity on JE media and the latest updates to the IBM TS4500 and TS4300 tape libraries. It includes generalized sections about Small Computer System Interface (SCSI) and Fibre Channel connections, and multipath architecture configurations. This book also covers tools and techniques for library management. It is intended for anyone who wants to understand more about IBM tape products and their implementation. It is suitable for IBM clients, IBM Business Partners, IBM specialist sales representatives, and technical specialists. If you do not have a background in computer tape storage products, you might need to read other sources of information. In the interest of being concise, topics that are generally understood are not covered in detail.

IBM Tape Library Guide for Open Systems Abstract This IBM® Redbooks® publication presents a general introduction to the latest IBM tape and tape library technologies. Featured tape technologies include the IBM LTO Ultrium and Enterprise 3592 tape drives, and their implementation in IBM tape libraries. This 16th edition introduces the new TS1160 tape drive with up to 20 TB capacity on JE media and the latest updates to the IBM TS4500 and TS4300 tape libraries. It includes generalized sections about Small Computer System Interface (SCSI) and Fibre Channel connections, and multipath architecture configurations. This book also covers tools and techniques for library management. It is intended for anyone who wants to understand more about IBM tape products and their implementation. It is suitable for IBM clients, IBM Business Partners, IBM specialist sales representatives, and technical specialists. If you do not have a background in computer tape storage products, you might need to read other sources of information. In the interest of being concise, topics that are generally understood are not covered in detail.

IBM TS4500 R8 Tape Library Guide The IBM® TS4500 (TS4500) tape library is a next-generation tape solution that offers higher storage density and integrated management than previous solutions. This IBM Redbooks® publication gives you a close-up view of the new IBM TS4500 tape library. In the TS4500, IBM delivers the density that today's and tomorrow's data growth requires. It has the cost-effectiveness and the manageability to grow with business data needs, while you preserve existing investments in IBM tape library products. Now, you can achieve both a low cost per terabyte (TB) and a high TB density per square foot because the TS4500 can store up to 11 petabytes (PB) of uncompressed data in a single frame library or scale up to 2 PB per square foot to over 350 PB. The TS4500 offers the following benefits: High availability: Dual active accessors with integrated service bays reduce inactive service space by 40%. The Elastic Capacity option can be used to completely eliminate inactive service space. Flexibility to grow: The TS4500 library can grow from the right side and the left side of the first L frame because models can be placed in any active position. Increased capacity: The TS4500 can grow from a single L frame up to another 17 expansion frames with a capacity of over 23,000 cartridges. High-density (HD) generation 1 frames from the TS3500 library can be redeployed in a TS4500. Capacity on demand (CoD): CoD is supported through entry-level, intermediate, and base-capacity configurations. Advanced Library Management System (ALMS): ALMS supports dynamic storage management, which enables users to create and change logical libraries and configure any drive for any logical library. Support for IBM TS1160 while also supporting TS1155, TS1150, and TS1140 tape drive: The TS1160 gives organizations an easy way to deliver fast access to data, improve security, and provide long-term retention, all at a lower cost than disk solutions. The TS1160 offers high-performance, flexible data storage with support for data encryption. Also, this enhanced fifth-generation drive can help protect investments in tape automation by offering compatibility with existing automation. The TS1160 Tape Drive Model 60E delivers a dual 10 Gb or 25 Gb Ethernet host attachment interface that is optimized for cloud-based and hyperscale environments. The TS1160 Tape Drive Model 60F delivers a native data rate of 400 MBps, the same load/ready, locate speeds, and access times as the TS1155, and includes dual-po...

IBM Ts3500 Tape Library With System Z Attachment IBM.Com/Redbooks
The IBM® System Storage® Solutions Handbook helps you solve your current and future data storage business requirements. It helps you achieve enhanced storage efficiency by design to allow managed cost, capacity of growth, greater mobility, and stronger control over storage performance

and management. It describes the most current IBM storage products, including the IBM Spectrum™ family, IBM FlashSystem®, disk, and tape, as well as virtualized solutions such as IBM Storage Cloud. This IBM Redbooks® publication provides overviews and information about the most current IBM System Storage products. It shows how IBM delivers the right mix of products for nearly every aspect of business continuance and business efficiency. IBM storage products can help you store, safeguard, retrieve, and share your data. This book is intended as a reference for basic and comprehensive information about the IBM Storage products portfolio. It provides a starting point for establishing your own enterprise storage environment. This book describes the IBM Storage products as of March, 2016.

IBM TS4500 Tape Library Guide IBM.Com/Redbooks

IBM® Spectrum Archive Enterprise Edition for the IBM TS4500, IBM TS3500, IBM TS4300, and IBM TS3310 tape libraries provides seamless integration of IBM Linear Tape File System (LTFS) with IBM Spectrum® Scale by creating an LTFS tape tier. You can run any application that is designed for disk files on tape by using IBM Spectrum Archive. IBM Spectrum Archive can play an important role in reducing the cost of storage for data that does not need the access performance of primary disk. The IBM Spectrum Archive Virtual Appliance can be deployed in minutes and key features can be tried along with this user guide. The virtual machine (VM) has a pre-configured IBM Spectrum Scale and a virtual tape library that allows to quickly test the IBM Spectrum Archive features without connecting to a physical tape library. The virtual appliance is provided as a VirtualBox .ova file.

IBM TotalStorage 3584 Tape Library for ZSeries Hosts IBM Redbooks

The IBM® Linear Tape File System (LTFS) is the first file system that works in conjunction with Linear Tape-Open (LTO) tape technology to set a new standard for ease of use and portability for open systems tape storage. In 2011, LTFS won an Engineering Emmy Award for Innovation from the Academy of Television Arts & Sciences. This IBM Redbooks® publication helps you install, tailor, and configure the new IBM Linear Tape File System Single Drive Edition (LTFS SDE), Library Edition (LTFS LE), and Storage Manager (LTFS SM). LTFS is a file system that is implemented on dual-partition linear tape (IBM LTO Ultrium 5 tape drives (LTO-5), IBM LTO Ultrium 6 tape drives (LTO-6), and IBM TS1140 tape drives). LTFS makes tape look and work like any removable media, for example, a USB drive. Files and directories appear on the desktop as a directory listing. It is now simple to drag files to and from tape. Any application that is written to use disk files works with the same files on tape. LTFS SDE supports stand-alone drives only. LTFS LE supports tape libraries. LTFS LE presents each cartridge in the library as a subdirectory in the LTFS file system. With LTFS LE, you can list the contents and search all of the volumes in the library without mounting the volumes by using an in-memory index. The LTFS SM software solution provides storage lifecycle management of archive files. Although both the LTFS SDE and the LTFS LE can write data on tape, LTFS SM provides the interface to manage files of all types in a file system structure. This file system structure makes the control of the tape library transparent to the user. LTFS SM also provides policy-based management, job scheduling, and automated file management. It provides an integrated solution to tape library users that is designed to easily manage archives at a reduced cost. It provides the tools to manage the archived files on the LTFS tapes, to group tapes into pools, and to use multiple LTFS LE nodes to scale out the LTFS archive. Metadata can be used to arrange, search, and manage the files at convenience of the users according to the policies that they choose. This publication is intended for anyone who wants to understand more about IBM Linear Tape System products and their implementation. This book is suitable for IBM clients, IBM Business Partners, IBM specialist sales representatives, and technical specialists.

IBM TS4500 R8 Tape Library Guide IBM Redbooks

This IBM® Redbooks® publication discusses IBM System Storage Open Systems Tape Encryption solutions. It specifically describes Tivoli Key Lifecycle Manager (TKLM) Version 2, which is a Java software program that manages keys enterprise-wide and provides encryption-enabled tape drives with keys for encryption and decryption. The book explains various methods of managing IBM tape encryption. These methods differ in where the encryption policies reside, where key management is performed, whether a key manager is required, and if required, how the tape drives communicate with it. The security and accessibility characteristics of encrypted data create considerations for clients which do not exist with storage devices that do not encrypt data. Encryption key material must be kept secure from disclosure or use by any agent that does not have authority to it; at the same time it must be accessible to any agent that has both the authority and need to use it at the time of need. This book is written for readers who need to understand and use the various methods of managing IBM tape encryption.

IBM System Storage Tape Library Guide for Open Systems IBM Redbooks

The IBM® TS4500 tape library is a next-generation tape solution that delivers higher storage density and integrated management. This IBM Redbooks® publication will give you a close-up view of the new IBM TS4500 tape library. In the TS4500, IBM delivers the density that today's and tomorrow's data growth require, with the cost-efficiency and the manageability to grow with business data needs while preserving existing investments in IBM tape library products. Now, organizations can achieve both a low cost per terabyte (TB) and a high TB density per square foot. In fact, the TS4500 can store up to 2.2 PBs of data in a single 10 square foot library frame, up to 3.4 times more capacity than the IBM TS3500 tape library. This book covers the TS4500 product description, components, feature codes, specifications, supported tape drives, encryption, new integrated management console, and the command-line interface (CLI). This publication is intended for anyone who wants to understand more about the IBM TS4500 tape library. This book is suitable for IBM clients, IBM Business Partners, IBM specialist sales representatives, and technical specialists.

IBM TS4500 R5 TAPE LIBRARY GUIDE

IBM.Com/Redbooks

Abstract The IBM® TS4500 (TS4500) tape library is a next-generation tape solution that offers higher storage density and integrated management than previous solutions. This IBM Redbooks® publication gives you a close-up view of the new IBM TS4500 tape library. In the TS4500, IBM delivers the density that today's and tomorrow's data growth requires. It has the cost-effectiveness and the manageability to grow with business data needs, while you preserve existing investments in IBM tape library products. Now, you can achieve both a low cost per terabyte (TB) and a high TB density per square foot because the TS4500 can store up to 11 petabytes (PB) of uncompressed data in a single frame library or scale up to 2 PB per square foot to over 350 PB. The TS4500 offers the following benefits: High availability: Dual active accessors with integrated service bays reduce inactive service space by 40%. The Elastic Capacity option can be used to completely eliminate inactive service space. Flexibility to grow: The TS4500 library can grow from the right side and the left side of the first L frame because models can be placed in any active position. Increased capacity: The TS4500 can grow from a single L frame up to another 17 expansion frames with a capacity of over 23,000 cartridges. High-density (HD) generation 1 frames from the TS3500 library can be redeployed in a TS4500. Capacity on demand (CoD): CoD is supported through entry-level, intermediate, and base-capacity configurations. Advanced Library Management System (ALMS): ALMS supports dynamic storage management, which enables users to create and change logical libraries and configure any drive for any logical library. Support for IBM TS1160 while also supporting

TS1155, TS1150, and TS1140 tape drive: The TS1160 gives organizations an easy way to deliver fast access to data, improve security, and provide long-term retention, all at a lower cost than disk solutions. The TS1160 offers high-performance, flexible data storage with support for data encryption. Also, this enhanced fifth-generation drive can help protect investments in tape automation by offering compatibility with existing automation. The new TS1160 Tape Drive Model 60E delivers a dual 10 Gb or 25 Gb Ethernet host attachment interface that is optimized for cloud-based and hyperscale environments. The TS1160 Tape Drive Model 60F delivers a native data rate of 400 MBps, the same load/ready, locate speeds, and access times as the TS1155, and inc ...

IBM System Storage Solutions Handbook IBM Redbooks

Abstract This IBM® Redbooks® publication presents a general introduction to the latest IBM tape and tape library technologies. Featured tape technologies include the IBM LTO Ultrium and Enterprise 3592 tape drives, and their implementation in IBM tape libraries. This 16th edition introduces the new TS1160 tape drive with up to 20 TB capacity on JE media and the latest updates to the IBM TS4500 and TS4300 tape libraries. It includes generalized sections about Small Computer System Interface (SCSI) and Fibre Channel connections, and multipath architecture configurations. This book also covers tools and techniques for library management. It is intended for anyone who wants to understand more about IBM tape products and their implementation. It is suitable for IBM clients, IBM Business Partners, IBM specialist sales representatives, and technical specialists. If you do not have a background in computer tape storage products, you might need to read other sources of information. In the interest of being concise, topics that are generally understood are not covered in detail.

Implementing IBM Tape in i5/OS IBM Redbooks

The IBM® TS4500 (TS4500) tape library is a next-generation tape solution that offers higher storage density and better integrated management than previous solutions. This IBM Redbooks® publication gives you a close-up view of the new IBM TS4500 tape library. In the TS4500, IBM delivers the density that today's and tomorrow's data growth requires. It has the cost-effectiveness and the manageability to grow with business data needs, while you preserve investments in IBM tape library products. Now, you can achieve a low per-terabyte cost and high density, with up to 13 PB of data (up to 39 PB compressed) in a single 10 square-foot library by using LTO Ultrium 9 cartridges or 11 PB with 3592 cartridges. The TS4500 offers the following benefits: Support of the IBM Linear Tape-Open (LTO) Ultrium 9 tape drive: Store up to 1.04 EB 2.5:1 compressed per library with IBM LTO 9 cartridges. High availability: Dual active accessors with integrated service bays reduce inactive service space by 40%. The Elastic Capacity option can be used to eliminate inactive service space. Flexibility to grow: The TS4500 library can grow from the right side and the left side of the first L frame because models can be placed in any active position. Increased capacity: The TS4500 can grow from a single L frame up to another 17 expansion frames with a capacity of over 23,000 cartridges. High-density (HD) generation 1 frames from the TS3500 library can be redeployed in a TS4500. Capacity on demand (CoD): CoD is supported through entry-level, intermediate, and base-capacity configurations. Advanced Library Management System (ALMS): ALMS supports dynamic storage management, which enables users to create and change logical libraries and configure any drive for any logical library. Support for IBM TS1160 while also supporting TS1155, TS1150, and TS1140 tape drive. The TS1160 gives organizations an easy way to deliver fast access to data, improve security, and provide long-term retention, all at a lower cost than disk solutions. The TS1160 offers high-performance, flexible data storage with support for data encryption. Also, this enhanced fifth-generation drive can help protect investments in tape automation by offering compatibility with existing automation. Store up to 1.05 EB 3:1 compressed per library with IBM 3592 cartridges Integrated TS7700 back-end Fibre Channel (FC) switches are available. Up to four library-managed encryption (LME) key paths per logical library are available. This book describes the TS4500 components, feature codes, specifications, supported tape drives, encryption, new integrated management console (IMC), command-line interface (CLI), and REST over SCSI (RoS) to obtain status information about library components. You learn how to accomplish the following tasks: Improve storage density with increased expansion frame capacity up to 2.4 times, and support 33% more tape drives per frame

IBM TAPE LIBRARY GUIDE FOR OPEN SYSTEMS

IBM Redbooks

This IBM® Redbooks® publication presents a general introduction to Linear Tape-Open (LTO) technology and the implementation of corresponding IBM products. The IBM Enterprise 3592 Tape Drive also is described. This tenth edition includes information about the latest enhancements to the IBM Ultrium family of tape drives and tape libraries. In particular, it includes details of the latest IBM LTO Ultrium 6 tape drive technology and its implementation in IBM tape libraries. Information is included about the recently released, enhanced, higher-performance ProtecTIER servers and the features of the new version 3.2 server software. The new software also enables a new feature, the

File System Interface (FSI). It also contains technical information about each IBM tape product for Open Systems. It includes generalized sections about Small Computer System Interface (SCSI) and Fibre Channel connections and multipath architecture configurations. This book also includes information about tools and techniques for library management. This edition includes details about Tape System Library Manager (TSLM). TSLM provides consolidation and simplification in large TS3500 Tape Library environments, including the IBM Shuttle Complex. This publication is intended for anyone who wants to understand more about IBM tape products and their implementation. This book is suitable for IBM clients, IBM Business Partners, IBM specialist sales representatives, and technical specialists. If you do not have a background in computer tape storage products, you might need to reference other sources of information. In the interest of being concise, topics that are generally understood are not covered in detail.

IBM Tape Library Guide for Open Systems IBM.Com/Redbooks

The IBM® Linear Tape File System™ (LTFS) is the first file system that works along with Linear Tape-Open (LTO) tape technology to set a new standard for ease of use and portability for open systems tape storage. In 2011, LTFS won an Engineering Emmy Award for Innovation from the Academy of Television Arts & Sciences. This IBM Redbooks® publication helps you install, tailor, and configure the IBM Spectrum™ Archive Single Drive Edition (SDE) and the IBM Spectrum Archive™ Library Edition (LE) products. LTFS is a file system that was originally implemented on dual-partition linear tape (IBM LTO Ultrium 5 tape drives (LTO-5) and IBM TS1140 tape drives). Now IBM Spectrum Archive SDE and LE support IBM LTO Ultrium 8, 7, 6, or 5 tape drives, and IBM TS1155, IBM TS1150, and IBM TS1140 tape drives. IBM Spectrum Archive LE supports the IBM TS4500 tape library, IBM TS3500 tape library, IBM TS3310 tape library, IBM TS3200 tape library express, IBM TS3100 tape library express, and IBM TS2900 tape autoloader express. IBM Spectrum Archive makes tape look and work like any removable media, such as a USB drive. Files and directories appear on the desktop as a directory listing. It is now simple to drag files to and from tape. Any application that is written to use disk files works with the same files on tape. IBM Spectrum Archive SDE supports stand-alone drives only. IBM Spectrum Archive LE supports tape libraries. IBM Spectrum Archive LE presents each cartridge in the library as a subdirectory in the LTFS file system. With IBM Spectrum Archive LE, you can list the contents and search all of the volumes in the library without mounting the volumes by using an in-memory index. This publication is intended for anyone who wants to understand more about IBM Linear Tape System products and their implementation. This book is suitable for IBM clients, IBM Business Partners, IBM specialist sales representatives, and technical specialists.

IBM Linear Tape File System Enterprise Edition V1.1.1.2: Installation and Configuration Guide

This IBM® Redbooks® publication follows The IBM System Storage Tape Libraries Guide for Open Systems, SG24-5946, and can help you plan, install, and configure IBM Ultrium LTO tape drives, as well as the TS1120 Tape Drive and libraries in i5/OS® environments. The book focuses on the setup and customization of these drives and libraries. The first part of the book gives an overview of the System i™ family of servers and describes how to attach and configure the drives and libraries. It also covers basic installation and administration. We describe the sharing and partitioning of libraries and explain the concept and usage of the Advanced Library Management System (ALMS). In the second part of the book, we document how to use these products with Backup Recovery and Media Services (BRMS), how to implement Tape Encryption, and how to use the IBM TS7520 Virtualization Engine™ with i5/OS. This book can help IBM personnel, Business Partners, and customers to better understand and implement the IBM Ultrium LTO product line, and also the TS1120 Tape Drive attached to System i servers. We assume that the reader is familiar with tape drives and libraries and has a basic understanding of System i servers and i5/OS

This IBM® Redbooks® publication helps you with the planning, installation, and configuration of the new IBM Linear Tape File System™ (LTFS) Enterprise Edition (EE) V1.1.1.2 for the IBM TS3310, IBM TS3500, and IBM TS4500 tape libraries. LTFS EE enables the use of LTFS for the policy management of tape as a storage tier in an IBM General Parallel File System (IBM GPFS™) based environment and helps encourage the use of tape as a critical tier in the storage environment. LTFS EE can run any application that is designed for disk files on tape. LTFS EE supports IBM Linear Tape-Open (LTO) Ultrium 6 and 5 tape drives in IBM TS3310, TS3500, and TS4500 tape libraries. IBM TS1140 and IBM TS1150 tape drives are supported in TS3500 and TS4500 tape libraries. LTFS 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 LTFS EE to replace disks with 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. LTFS 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 LTFS EE planning and implementation. This book is suitable for IBM clients, IBM Business Partners, IBM specialist sales representatives, and technical specialists.

Related with Ibm Tape Library:

© [Ibm Tape Library Synonym For Breaking The Law](#)

© [Ibm Tape Library Synthesis And Analysis Questions Nclex Example](#)

© [Ibm Tape Library Symbol For An Angle In Math Nyt](#)