



# Ibm Tape Library

**M Mosston**



## **Ibm Tape Library:**

*IBM Tape Library Guide for Open Systems* Larry Coyne, Phil Gerrard, Ole Assmussen, Robert Beiderbeck, Albrecht Friess, Hans-Günther Hörhammer, Khanh Ngo, Jesus Eduardo Cervantes Rolon, Fabian Corona Villarreal, IBM Redbooks, 2024-08-15 This IBM Redbooks publication presents a general introduction to the latest current 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 19th edition includes information about the latest IBM Linear Tape Open LTO Ultrium 9 tape drive IBM Diamondback tape library IBM TS4500 tape library IBM TS4300 tape library TS2900 tape autoloader along with technical information about each IBM tape product for open systems It also 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* Larry Coyne, 2018 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

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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 *IBM TS4500 R4 Tape Library Guide*, 2017 *IBM TS4500 Tape Library Guide* Larry Coyne, 2014 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 Spectrum Archive Single Drive Edition and Library Edition: Installation and Configuration Guide* Larry Coyne, Khanh Ngo, Illarion Borisevich, IBM Redbooks, 2018-03-22 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 Diamondback Tape Library Guide* Phil Gerrard, Jesus Cabrera, Dylan Carlson, Fabian Corona, Jesus Cervantes, Stephen Solewin, Erwin

Zwemmer, IBM Redbooks, 2024-07-03 The IBM Diamondback tape library is the next generation ultra high density tape storage solution available from IBM The Diamondback is designed to easily scale out and fit into any data center or server room with each frame having only the footprint of a standard server rack Designed with a focus on simplicity and density the library can be deployed quickly and easily managed using either REST API or its own browser based GUI Maintenance and support are also simplified via the use of Customer Replaceable Units CRUs and built in call home which greatly lowers the number of parts to be kept on hand and reduces downtime in the event of a failure This next generation tape library is designed to help midsized and large enterprises meet modern cloud storage challenges including increasing data volumes rising storage footprint costs and reducing the complexity of IT training and system management by simplifying data migration and administration This IBM Redbooks publication provides a detailed overview of the new Diamondback library and its features Highlights of these features include Standard server rack dimensions based on Open Compute Project racks installs into data centers and is serviced like a server rack Store up to 27 PB capacity with LTO 9 cartridges up to 69 PB with 2.5:1 compression a 2.7x improvement over LTO with TS4500 single frame Media optimization for the LTO9 tape drive with L9 LZ media Reduce installation time with the ability to ship fully loaded with tape cartridges Optimize storage with Ultra high density UHD storage slots Automate management through a REST API Simplified service using CRUs reduces down time and number of parts to keep on hand Automatic control path and data path fail over Tape drive encryption WORM media support Persistent worldwide name Multipath architecture Drive media exception reporting Remote drive media management Advanced Library Management System ALMS Additionally this book describes detailed information about the IBM Diamondback components feature codes specifications supported tape drives encryption system management security features and REST features This publication is for anyone who wants to understand more about the IBM Diamondback tape library It is particularly suitable for IBM clients IBM Business Partners IBM specialist sales representatives and technical specialists

**IBM TS4500 R5 Tape Library Guide** Larry Coyne, 2018 [IBM Ts4500 Tape Library Guide](#) IBM Redbooks, 2015-01-08 [IBM TS4500 R7 Tape Library Guide](#) Robert Beiderbeck, 2020 **IBM TS4500 R5 Tape Library Guide** Illarion Michael Engelbrecht Larry Coyne Simon Browne, 2018 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

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