

IBM Spectrum Archive Library Edition

Highlights

- Reduce cost-per-cartridge and archive vs. legacy video tape formats
- Eliminate the need for external databases
- Gain a flash-drive-like ability to share data regardless the platform
- Direct access and management of selected tape drives, libraries & data
- Reduce complexity with an operating system (OS) browser interface
- Utilize LTFS format for metadata on certified tape cartridges
- Leverage LTO Ultrium tape drives, libraries and cartridges

Enables cost-effective storage for managing explosive data growth

IBM Spectrum Archive is a member of the IBM Spectrum Storage software portfolio designed to address data storage inefficiencies by changing the economics of storage with a layer of intelligent software. This software creates an efficient “data footprint” that dynamically stores every bit of data at an optimal cost, helping to maximize performance and ensuring greater security for cloud and analytics workloads. The IBM Spectrum Archive family, which features the IBM Linear Tape File System (LTFS) technology, provides direct, intuitive and graphical access to data stored in Linear Tape-Open (LTO) tape cartridges, and IBM 3592 tape cartridges. It eliminates the need for additional tape management and software to access data.

IBM Spectrum Archive is a significant step in moving tape storage away from its reputation as complex and difficult to use. Unlike disk storage, tape has previously required device-specific software to read, write and manage data stored on its cartridges in libraries. But IBM Spectrum Archive sets a new standard for ease of use and portability for open-systems tape storage. Users can run any application designed for disk files against tape data without concern for the fact that the data is physically stored on tape.

Similar to using a USB drive or memory stick, IBM Spectrum Archive enables users to share data across platforms by simply dragging and dropping files. Access to data is faster and easier—when a library loads a tape into the drive and mounts it into the file system, files become visible as if they were on a disk. Because access is not through backup software, cartridges formatted with IBM Spectrum Archive can be exchanged more easily between users working in different operating systems, using different software and in

different locations. Users' operational agility and efficiency is increased because using IBM Spectrum Archive does not require extensive knowledge of tape.

IBM Spectrum Archive Library Edition (IBM Spectrum Archive LE) can support data either on single tape cartridges or multiple cartridges in a tape library, automatically loading the cartridges per file access. It also graphically displays tape library contents in the operating system (OS) graphical user interface (GUI) format, typically a folder and tree structure. The metadata of each cartridge, once mounted, is cached in server memory. Metadata operations, such as browse directory and filename search, do not require tape movement.

IBM Spectrum Archive Library Edition at a glance

Supported tape systems*	IBM TS4500 Tape Library
	IBM TS4300 Tape Library
	IBM TS3500 Tape Library
	IBM TS3310 Tape Library
	IBM TS3200 Tape Library Express
	IBM TS3100 Tape Library Express
	IBM TS2900 Tape Autoloader Express
	Selected non-IBM tape libraries
Supported tape drives*	IBM LTO Ultrium tape drives (Generation 5 or later)
	IBM 3592 Enterprise tape drives (IBM TS1140 or later)
Supported tape media*, †	Tape cartridge, which is compatible with the supported tape drive and features tape partitioning
Supported operating systems*	RedHat Enterprise Linux (x86-64 or ppc64le)
	Microsoft Windows Server
Optional Software	IBM Spectrum Protect
Warranty	Multi-year warranty agreement
	Object-code-only license under International
	Program License Agreement (IPLA)
	Freely downloadable version is available from IBM
	Fix Central website: “as-is” software without warranty and support

* For the detail of supported hardware and operating system, see Planning section of product document at IBM Knowledge Center: ibm.com/support/knowledgecenter/STZMN For information on the connectivity of tape drive and combination of library and drive, see the information at IBM System Storage Interoperation Center (SSIC) [website](#).

† Write-once-read-many (WORM) tapes are not supported.

Why IBM?

The IBM Spectrum Archive family featuring IBM Linear Tape File System technology provides direct, intuitive and graphical access to data stored on tape cartridges. As a continuous innovator, IBM invented the LTFS format and was first to market the open file system for single LTO Ultrium tape drives. LTFS is an outgrowth of a decade of leadership as a founding member of the LTO Consortium and a market-leading supplier of LTO Ultrium tape drives, libraries and cartridges.

With 60 years in the marketplace, IBM continues to create innovative data storage products to help organizations back up and restore data for business continuity, recover data in times of disaster, and archive for data protection and long-term retention. And IBM continually upgrades the file system in order to offer more benefits to suit today's business needs.

In addition to Spectrum Archive Library Edition, IBM also offers Spectrum Archive Single Drive Edition and Spectrum Archive Enterprise Edition software to grow your infrastructure support as you need it.

For more information

To learn more about IBM Spectrum Archive Library Edition, please contact your IBM representative or IBM Business Partner, or visit ibm.com/products/data-archive

Additionally, IBM Global Financing provides numerous payment options to help you acquire the technology you need to grow your business. We provide full lifecycle management of IT products and services, from acquisition to disposition. For more information, visit: ibm.com/financing

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