IBM Spectrum Archive Library Edition

Enables cost-effective storage for managing explosive data growth

Highlights

- Access and manage files in tape libraries as easily as if they were on disk

- Perform metadata operations such as browse directory and filename search without tape movement

- Eliminate the need for an external data-base for access to—or creation of—files

- Provide direct, intuitive and graphical access to data stored in IBM tape drives and libraries

- Set a new standard for ease and portabil-ity for open-systems tape storage

- Share data across platforms by simply dragging and dropping files

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) format standard, 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.

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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*	Linux (x86-64 or ppc64le) Microsoft Windows Server
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

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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**/systems/storage/spectrum/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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