

IBM Spectrum Archive Single Drive Edition

Access and manage all data in stand-alone tape environments as simply as if it were on disk



Highlights

- Access and manage files on tape as easily as if they were on hard disk
 - Drag and drop files to and from tape without requiring device-specific software
 - Share file data across platforms, similar to using a USB drive
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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 the optimal cost, helping maximize performance and ensuring security. The IBM Spectrum Archive family which features IBM Linear Tape File System™ (LTFS) technology provides direct, intuitive and graphical access to data stored on Linear Tape-Open (LTO) Ultrium 7, 6 or 5 tape cartridges, as well as 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.

IBM Spectrum Archive Single Drive Edition (IBM Spectrum Archive SDE) allows access to all data on a tape cartridge in a stand-alone drive attached directly to a server or through bridge box as easily as if it were



on disk. IBM Spectrum Archive SDE uses the file system's format and operating system (OS) resources to graphically display the contents of a tape cartridge in the OS graphical user interface (GUT) format, typically a folder-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.

Similar to using a USB drive or memory stick, IBM Spectrum Archive SDE enables users to share data across platforms by simply dragging and dropping files. Access to data is faster and easier—users just load a tape into the drive and mount it into the file system, and then 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.



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IBM Systems
Route 100
Somers, NY 10589

Produced in the United States of America
December 2015

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Actual available storage capacity may be reported for both uncompressed and compressed data and will vary and may be less than stated.

* Device should be at latest firmware level

† For specific level of operating system support:
<http://pic.dhe.ibm.com/infocenter/tfs/cust/index.jsp>



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IBM Spectrum Archive Single Drive Edition at a glance

Hardware requirements

Tape systems*	IBM LTO Ultrium 7, 6 or 5 tape drives IBM TS1150 or IBM TS1140 tape drives
Tape media	LTO Ultrium 7, 6 and 5, and 3592 JC, JB, JD, JK and JL
Supported operating systems†	Linux Apple OS X Microsoft Windows
Warranty	Free download from IBM website: "as-is" software Open source for Linux and Mac OS versions Object code only for Windows versions

For more information

To learn more about IBM Spectrum Archive Single Drive Edition, please contact your IBM representative or IBM Business Partner, or visit: ibm.com/systems/storage/spectrum/archive



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