IBM

IBM Spectrum Archive Enterprise Edition

Highlights

- Enable cost-effective tape storage for cloud and analytics infrastructures
- Help reduce IT costs by replacing Tier 2 and Tier 3 with IBM tape libraries
- Expand archive capacity without impacting data availability in the pool
- Improve data availability and total capacity with support for two libraries

Enabling the most-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 ensure greater security.

IBM Spectrum Archive Enterprise Edition (IBM Spectrum Archive EE) gives organizations an easy way to use cost-effective IBM tape drives and libraries within a tiered storage infrastructure. By using tape libraries instead of disks for Tier 2 and Tier 3 data storage—data that is stored for long-term retention—organizations can improve efficiency and reduce costs related to storing growing amounts of data. IBM Spectrum Archive EE seamlessly integrates with the scalability, manageability and performance of IBM Spectrum Scale, an IBM enterprise file management platform that enables organizations to move beyond simply adding storage—to optimizing data management.

Using the IBM Linear Tape File System (LTFS) format standard, IBM Spectrum Archive EE provides direct, intuitive and graphical access to data stored in Linear Tape-Open (LTO) Ultrium tape cartridges and IBM 3592 tape cartridges. It eliminates the need for additional tape-management and data-access software.

With IBM Spectrum Archive EE, accessing data stored on an IBM tape cartridge—instead of on disk—is transparent. IBM Spectrum Scale keeps a pointer to the data on tape and, if requested, retrieves the data without user or operator intervention. By leveraging the capabilities of IBM Spectrum

Scale, IBM Spectrum Archive EE enables high performance and reliable access across the storage infrastructure. In turn, IBM Spectrum Archive EE enables IBM Spectrum Scale installations to add extensive capacity with lower media, floor space and power costs. And with policy-based migration, archive capacity can be expanded without impacting data availability.

IBM Spectrum Archive EE enables organizations to improve the cost-effectiveness of their cloud and analytics infrastructures by enabling:

- Operational storage tiers with tape, rather than storing cold data on costly disk storage.

- Storage of digital assets for the long term, so assets can be referenced and monetized for years to come.

- Creation of copies of data on operational storage, improving the efficiency and cost effectiveness of a tiered storage infrastructure.

IBM Spectrum Archive Enterprise Edition at a glance

Hardware requirements	
Supported tape systems*	IBM TS4500 Tape Library
	IBM TS4300 Tape Library
	IBM TS3500 Tape Library
	IBM TS3310 Tape Library
	Up to two libraries supported per IBM Spectrum Archive cluster
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
Software prerequisites	IBM Spectrum Scale
Supported server architecture	x86-64
Supported operating systems* Warranty	Linux (x86-64 or ppc641e)
	Multi-year warranty agreement
	Object-code-only license under International Program License Agreement (IPLA)
	No-cost trial virtual machine (VM) image is available from IBM website

* For details of supported hardware and operating systems, see the Planning section of product documentation at IBM Knowledge Center: https://www.ibm.com/support/knowledgecenter/ST9MBR For information on the connectivity of tape drive, see the information at IBM Systems Storage Interoperation Center (SSIC) website: https://www.ibm.com/systems/support/storage/ssic/ssichelp.wss?search_type=search&acss=danl_4544_web

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Why IBM?

IBM Storage solutions deliver the scalability, security and ease of use that organizations need to manage the massive volumes of data that have become common today. IBM Spectrum Archive provides cost-effective and reliable data storage, and the protection of air gap with simplified tape access plus the rapid deployment of Software Defined Storage.

For more information

To learn more about IBM Spectrum Archive Enterprise Edition, please contact your IBM representative or IBM Business Partner, or visit: https://www.ibm.com/us-en/marketplace/data-archive

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