



IBM Spectrum Archive Enterprise Edition

Enabling the most-effective storage for managing explosive data growth

Highlights

- Enable cost-effective tape storage for cloud and analytics infrastructures with IBM® Spectrum Archive, combined with the scalability, manageability and performance of IBM Spectrum Scale
 - Help reduce IT costs by replacing tiered disk storage (Tier 2 and Tier 3) with IBM tape libraries
 - Expand archive capacity in up to two libraries without impacting the availability of data in the pool
 - Improve data availability and total capacity with support for up to two libraries.
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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 an optimal cost, helping to maximise performance and ensuring greater security.

IBM Spectrum Archive Enterprise Edition (IBM Spectrum Archive EE) gives organisations 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 – organisations 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 organisations to move beyond simply adding storage – to optimising 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. Plus with policy-based migration, archive capacity can be expanded without impacting data availability.



IBM Spectrum Archive EE enables organisations 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 monetised for years to come
- Creation of copies of data on operational storage, improving the efficiency and cost effectiveness of a tiered storage infrastructure.



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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 (OS)*	Linux
Warranty	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 more information

To learn more about IBM Spectrum Archive Enterprise Edition, please contact your IBM representative or IBM Business Partner (BP), or visit:

ibm.com/systems/storage/spectrum/archive

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*For details of supported hardware and operating systems, see the Planning section of product documentation at IBM Knowledge Centre: <https://www.ibm.com/support/knowledgecentre/ST9MBR> For information on the connectivity of tape drive, see the information at IBM Systems Storage Interoperation Centre (SSIC) website: https://www-304.ibm.com/systems/support/storage/ssic/ssichelp.wss?search_type=search&acss=danl_4544_web

