IBM Spectrum Archive Enterprise Edition V1.3 and IBM Spectrum Archive Library Edition V2.4.1 expand storage capacity with TS1160 tape drive technology and deliver quality improvements

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At a glance

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 enables use of economical tape hardware in nonproprietary format within storage infrastructures in need of long-term retention of archival data.

IBM Spectrum Archive Enterprise Edition (EE) V1.3 supports the new enterprise-class TS1160 tape drive and delivers usability improvements through a new CLI to ease the monitoring of running tasks and maintenance of tapes.

IBM Spectrum Archive Library Edition (LE) V2.4.1 supports the new enterprise-class TS1160 tape drive.

Overview

IBM Spectrum Archive EE V1.3 and IBM Spectrum Archive LE V2.4.1 expand storage capacity with TS1160 tape drive technology and deliver quality improvements

Key prerequisites

**IBM Spectrum Archive EE V1.3**

IBM Spectrum Archive EE V1.3 requires:

- Red Hat Enterprise Linux® (RHEL) version 7.4 or 7.5
- IBM Spectrum Scale™ version 4.2.3.6 or 5.0.2.x
- IBM® TS4300, TS4500, TS3500, or TS3310 tape library
- Server with x86_64 or POWER® Little Endian architecture

Supported tape drives and media types

For IBM Spectrum Archive EE supported tape drives and media types, go to the IBM Spectrum Archive EE documentation in IBM Knowledge Center.
IBM Spectrum Archive EE supports mixed environments, and any combination of these drive types can be used in an IBM Spectrum Archive EE environment and the supported media respectively:

- IBM LTO™ Ultrium™ Gen 8
- IBM LTO Ultrium Gen 7
- IBM LTO Ultrium Gen 6
- IBM LTO Ultrium Gen 5
- IBM TS1140, TS1150, TS1155, and TS1160 tape drives*

* Only Fibre Channel version

**IBM Spectrum Archive LE V2.4.1**

IBM Spectrum Archive LE V2.4.1 requires:

- IBM TS4300, TS4500, TS3500, TS3310, TS3200, TS3100, or TS2900 tape library
- Server with x86_64 or POWER Little Endian architecture
  - Red Hat Enterprise Linux (RHEL) from version 7.2 to 7.5 (Requires 7.3, or later for POWER Little Endian)
- Server with x86_64 architecture: Microsoft™ Windows™ Server 2012 R2 or Windows Server 2016

**Planned availability date**

- December 7, 2018: IBM Spectrum Archive Library Edition (5639-LT1) (Electronic download)
- December 21, 2018: IBM Spectrum Archive Enterprise Edition (5639-LP1) and IBM Spectrum Archive Library Edition (5639-LT1) (Physical media)

**Description**

**IBM Spectrum Archive EE V1.3**

The infusion of technology into all aspects of our lives has created a world that is generating billions of gigabytes of data every day. This explosion of unstructured data requires a new approach to support traditional and new workloads, one that is driven by a software-defined strategy.

The IBM Spectrum Storage family combines traditional, private, and public cloud storage with IBM FlashSystem™ environments to deliver new ways to enhance data economics, including the use of commodity hardware. IBM Spectrum Archive EE is based on IBM Linear Tape File System™ (LTFS) and enables fast and easy data retention to reduce the total cost of ownership for active archive storage.

IBM Spectrum Archive EE combines the ease of use of LTFS with the scalability, manageability, and performance of IBM Spectrum Scale, an industry leader in high availability and high I/O capabilities. IBM Spectrum Archive EE extends the abilities of IBM Spectrum Scale with simplified tape administration and relieves the complexity of transferring data from tiered disk storage to tape. The ability to move beyond simply adding storage to optimize and streamline data management and reduce storage infrastructure costs are excellent benefits for businesses of any size. As needs for capacity, I/O, and data availability grow, IBM Spectrum Archive EE enables easy expansion of the tape tier of IBM Spectrum Scale. The ability to add media and provision it in the LTFS pool of General Parallel File System (GPFS™) enables expanded archive capacity with minimal downtime and without impacting the availability of data already in the pool.
IBM Spectrum Archive EE is designed to enable policy management of tape as a storage tier in an IBM Spectrum Scale environment, helping to encourage the use of tape as a critical tier in the storage environment.

IBM Spectrum Archive EE can be used as an operational storage tier accessible by disk-based applications. Using IBM Spectrum Archive EE to replace disks with tape in Tier 2 and Tier 3 storage can improve data access over other storage solutions as it increases efficiency and streamlines management of files on tape.

IBM Spectrum Archive EE can play a major role in reducing the cost of storage for data that does not need the access performance of primary disk. By replacing Tier 2 and Tier 3 disk storage with tape, organizations can achieve a new operational efficiency and cost effectiveness compared to the cost of equivalent disk-based environments. IBM Spectrum Archive EE simplifies the use of tape by making it transparent to the user and manageable by the administrator under a single infrastructure.

**IBM Spectrum Archive LE V2.4.1**

IBM Spectrum Archive LE now supports TS1160 tape drives. IBM Spectrum Archive LE is the first file system that works with IBM System Storage tape technology to optimize ease-of-use and portability for open-systems tape storage. With IBM Spectrum Archive LE, accessing files that are stored on an IBM tape cartridge is simple, and reading data on a tape cartridge is as easy as dragging and dropping. Users can run any application that is designed for disk files against tape data without concern that the data is physically stored on tape.

IBM Spectrum Archive LE software enables users to mount a tape library as a single file system. It also allows users to access tape cartridges in the library as subdirectories. A typical user of IBM Spectrum Archive LE runs an application program on a library server. In this environment, multiple clients can read, write, and access data on the server by using a network. Each tape library has one changer device and multiple tape drives.

**Accessibility by people with disabilities**

A US Section 508 Accessibility Compliance Report containing details on accessibility compliance can be found on the Product accessibility information website.

**Reference information**

For previous IBM Spectrum Archive EE information, see the Software Announcement 218-092, dated March 13, 2018.

For previous IBM Spectrum Archive LE information, see the Software Announcement 217-429, dated October 10, 2017.

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**Business Partner information**

If you are a Direct Reseller - System Reseller acquiring products from IBM, you may link directly to Business Partner information for this announcement. A PartnerWorld® ID and password are required (use IBMid).

**BP Attachment for Announcement Letter 218-020**

**Publications**

The IBM Publications Center is a worldwide central repository for IBM product publications and marketing material with a catalog of 70,000 items. Extensive search facilities are provided. A large number of publications are available online in various file formats, and they can all be downloaded by all countries.

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To learn more about IBM Software Services, contact your Lab Services Sales or Delivery Leader.

**Technical information**

**Specified operating environment**

**Hardware requirements**

None

**Software requirements**

**IBM Spectrum Archive EE V1.3**

IBM Spectrum Scale version 4.2.3.6 or a subsequent 4.2.3.x fix release, or IBM Spectrum Scale version 5.0.2.0 or a subsequent 5.0.2.x fix release.
Operating system prerequisite

Red Hat Enterprise Linux (RHEL) 7.4 or 7.5.

Connectivity prerequisites

IBM LTO Ultrium 8, 7, 6, and 5 tape drives, TS1140, TS1150, TS1155, and TS1160 drives in supported IBM tape libraries, and switches are listed in the IBM Spectrum Archive EE documentation in IBM Knowledge Center website.

IBM Spectrum Archive LE V2.4.1

Operating system prerequisite

Red Hat Enterprise Linux (RHEL) from version 7.2 to 7.5.

Connectivity prerequisites

For complete details about supported hardware and configurations, see the IBM Spectrum Archive LE documentation in IBM Knowledge Center.

Limitations

IBM Spectrum Archive EE V1.3

- For TS1155 and TS1160 tape drives, IBM Spectrum Archive EE only supports Fibre Channel interfaces
- If multinode IBM Spectrum Archive EE, all EE nodes in the cluster need to be x86 or POWER LE

IBM Spectrum Archive LE V2.4.1

For TS1155 and TS1160 tape drives, IBM Spectrum Archive LE only supports Fibre Channel interfaces.

For additional information, see the license information document that is available on the IBM Software License Agreement website.

Planning information

Packaging

IBM Spectrum Archive EE

For AAS orders: New orders of IBM Spectrum Archive EE Version 1.3 (5639-LP1) are shipped with media feature 5806: IBM Spectrum Archive EE Version 1.3 (L-DWII-B46S2Y).

For PPA orders: Only electronic software delivery is supported for IBM Spectrum Archive EE Version 1.3 (5725-X69).

IBM Spectrum Archive LE: New orders of IBM Spectrum Archive LE Version 2.4.1 (5639-LT1) are shipped with media feature 5806 (CD-ROM Part number LCD7-5224).

This program, when downloaded from a website, contains the applicable IBM license agreement and License Information, if appropriate, which will be presented for acceptance at the time of installation of the program. For future reference, the license and License Information will be stored in a directory such as LICENSE.TXT.

Security, auditability, and control

IBM Spectrum Archive EE and IBM Spectrum Archive LE use the security and auditability features of host hardware, host software, or application software to which it is attached.
The client is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

**Ordering information**

Products announced as dual-pipe are available for ordering by program number and feature number or by part number. Products can be obtained by part number through Passport Advantage.

For more information, contact your IBM representative or IBM Business Partner.

Product Group: IBM Storage

Product: IBM Spectrum Archive Enterprise Edition (5725-X69)

Product Category: IBM Spectrum Archive EE

**Ordering information for Passport Advantage**

Passport Advantage (PPA) allows greater flexibility to help customers manage their software licenses and Subscription and Support renewals. Customers can now have a common anniversary date for Subscription and Support renewals for all IBM software, under a PPA agreement, including IBM Storage software. The anniversary date, established at the order ship date for the initial product acquisition, will remain unchanged while their Passport Advantage or Passport Advantage Express agreement remains in effect.

IBM Spectrum Archive Enterprise Edition can be ordered as follows:

- Per base install
- Per additional node
- Per multiple libraries

For the installation of the first node, purchase one base install license. For the installation of additional nodes for meeting the scale-out requirement, purchase one additional node install license for each additional node in the same IBM Spectrum Archive EE cluster.

To order for Passport Advantage, specify the desired part number and quantity.

**Note:** Spectrum Archive Library Edition only uses AAS.

**Passport Advantage**

Program name: **IBM Spectrum Archive Enterprise Edition (5725-X69)**

Ordering information, as previously announced in Software Announcement 215-486, dated December 8, 2015, remains unchanged.

**Advanced Administration System (AAS)**

For the installation of first node, purchase one per-install license. For the installation of additional nodes for meeting the scale-out requirement, purchase one per-secondary-node license for each additional node in the same IBM Spectrum Archive EE cluster.

**5639-LP1 -IBM Spectrum Archive Enterprise Edition**

Basic License ordering information, as previously announced in Software Announcement 215-486, dated December 8, 2015, remains unchanged.

**5639-LT1 -IBM Spectrum Archive Library Edition**
Basic License ordering information, as previously announced in Software Announcement 215-160, dated May 5, 2015, remains unchanged.

This software license includes Software Maintenance, previously referred to as Software Subscription and Technical Support.

Extending coverage for a total of three years from the date of acquisition may be selected. Order the program number, feature number, and quantity to extend coverage for your software licenses. If maintenance has expired, specify the after license feature number.

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Ordering information for Software Maintenance licenses, as previously announced in Software Announcement 215-486, dated December 8, 2015, remains unchanged.

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Ordering information for Software Maintenance licenses, as previously announced in Software Announcement 215-160, dated May 5, 2015, remains unchanged.

**Charge metric**

The charge metrics for these licensed products can be found in the following License Information documents:
Select your language of choice and scroll down to the Charge Metrics section.

### Terms and conditions

The terms and conditions for IBM Spectrum Archive Enterprise Edition, as previously announced in Software Announcement 215-486, dated December 8, 2015, remain unchanged.


### Statement of good security practices

IT system security involves protecting systems and information through intrusion prevention, detection, and response to improper access from within and outside your enterprise. Improper access can result in information being altered, destroyed, or misappropriated or can result in misuse of your systems to attack others. Without a comprehensive approach to security, no IT system or product should be considered completely secure and no single product or security measure can be completely effective in preventing improper access. IBM systems and products are designed to be part of a regulatory compliant, comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products, or services to be most effective.

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### Prices

The prices are unchanged by this announcement.

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Phone: 800-IBM-CALL (426-2255)

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For IBM Business Partner: pwcs@us.ibm.com

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**Note:** Shipments will begin after the planned availability date.

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