

IBM Spectrum Protect V8.1.6 and IBM Spectrum Protect Plus V10.1.2 deliver new capabilities and performance options

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At a glance

IBM Spectrum Protect™ V8.1.6 and IBM Spectrum Protect Plus V10.1.2 deliver performance improvements and new capabilities for a simplified user experience, differentiated hybrid cloud data protection, and secure data protection.

Overview

IBM Spectrum Protect V8.1.6 and IBM Spectrum Protect Plus V10.1.2 deliver new capabilities and performance improvements:

- **Cost reduction by tiering inactive data to object storage:** Policy-based tiering keeps active data on disk while moving inactive data to object storage.
- **Ransomware detection:** Detect Ransomware infections for hypervisor-based workloads.
- **Expanded platform support:** Running IBM Spectrum Protect Server on SUSE Linux^(R) Enterprise Server (little endian) for Linux on Power^(R) platform leverages the advantages of using SUSE Linux Enterprise Server in your overall data protection solution.
- **VMware support:** IBM Spectrum Protect Plus expands VMware support to include VMware vSphere™ 6.7.
- **Enhanced security:** IBM Spectrum Protect Plus includes vSnap repository encryption.
- **Enhanced dashboard and alerts:** IBM Spectrum Protect Plus dashboard enhancements improve monitoring and alerting experience.
- **Extended application support:** IBM Spectrum Protect Plus V10.1.2 extends application support to include IBM^(R) Db2^(R).

Key prerequisites

See the specific websites listed in the [Software requirements](#) section for a complete list of devices that are supported by IBM Spectrum Protect (5725-W98), IBM Spectrum Protect Extended Edition (5725-W99), and IBM Spectrum Protect for Data Retention (5725-X15). Libraries that have more than four drives or more than 48 tape slots require a license for IBM Spectrum Protect Extended Edition.

Planned availability date

September 21, 2018 (Electronic download only)

See the [Availability of national languages](#) section for national language availability.

Description

IBM Spectrum Protect V8.1.6 and IBM Spectrum Protect Plus V10.1.2 deliver new capabilities and enhancements for your data storage environment.

Cost reduction

Reduce costs but maintain recovery time objectives by keeping the most recent backup (active data) on disk for operational recovery while moving older versions of files (inactive data) to object storage. This policy-based tiering capability enables administrators to easily configure their IBM Spectrum Protect environment to optimize for performance, cost efficiency, and scale.

Ransomware detection

IBM Spectrum Protect detects anomalies to workload patterns to alert administrators of potential Ransomware infections for hypervisor-based workloads, enabling clients to be aware of possible attacks and mitigate them before they spread.

Additional platform support

Running IBM Spectrum Protect Server on SUSE Linux Enterprise Server (little endian) for Linux on Power platform enables you to leverage the advantages of SUSE Linux Enterprise Server for your overall data protection solution.

VMware

IBM Spectrum Protect Plus V10.1.2 expands VMware support to include VMware vSphere 6.7.

Enhanced security

IBM Spectrum Protect Plus V10.1.2 includes vSnap repository encryption to ensure data is secure at rest.

Enhanced dashboard and alerts

IBM Spectrum Protect Plus V10.1.2 improves dashboard operations:

- Dashboard enhancements for status of active backup and recovery and visibility into job failures.
- Alerts on failures of backup and restore jobs, and warnings when storage threshold limits are approaching.
- Enabling drill down for increased detail in dashboard widgets.

Extended application support

IBM Spectrum Protect Plus V10.1.2 extends application support to include IBM Db2. Users will be able to recover Db2 databases to any point in time to minimize loss and ensure integrity of data.

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

IBM Spectrum Protect

For complete product information, see Software Announcement [218-113](#), dated March 16, 2018.

Availability of national languages

Translation information, if available, can be found at the [Translation Reports](#) website.

Program number

Program number	VRM	Program name
5737-F11	10.1.2	IBM Spectrum Protect Plus
5725-W98	8.1.6	IBM Spectrum Protect
5725-W99	8.1.6	IBM Spectrum Protect Extended Edition
5725-X15	8.1.6	IBM Spectrum Protect for Data Retention
5725-Z10	8.1.0	IBM Spectrum Protect High Speed Data Transfer
5725-X01	8.1.6	IBM Spectrum Protect for Databases
5725-X03	8.1.6	IBM Spectrum Protect for Enterprise Resource Planning
5725-X02	8.1.6	IBM Spectrum Protect for Mail
5725-X18	8.1.6	IBM Spectrum Protect for SAN
5725-X04	8.1.6	IBM Spectrum Protect for Space Management
5725-X14	8.1.6	IBM Spectrum Protect HSM for Windows
5698-AAH	7.1.3	IBM Tivoli ^(R) Storage Manager for z/OS ^(R) Media
5698-AAK	7.1.3	IBM Tivoli Storage Manager Extended Edition for z/OS Media
5725-X13	8.1.2	IBM Spectrum Protect for Workstations-Starter Edition
5725-X12	8.1.2	IBM Spectrum Protect for Workstations
5725-X00	8.1.6	IBM Spectrum Protect for Virtual Environments
5725-X05	8.1.6	IBM Spectrum Protect Suite
5725-X06	8.1.6	IBM Spectrum Protect Suite Entry
5725-X07	8.1.6	IBM Spectrum Protect Suite-Front End
5725-X08	8.1.6	IBM Spectrum Protect Suite Entry-Front End (for PPA)
5608-AB8	8.1.6	IBM Spectrum Protect Snapshot (for AAS)

Program number	VRM	Program name
5725-X22	8.1.6	IBM Spectrum Protect Snapshot (for PPA)

Education support

IBM training provides education to support many IBM offerings. Descriptions of courses for IT professionals and managers can be found on the [IBM Training and Skills](#) website.

Call IBM training at 800-IBM-TEACH (426-8322) for catalogs, schedules, and enrollments.

Offering Information

Product information is available on the [IBM Offering Information](#) website.

More information is also available on the [Passport Advantage^{\(R\)}](#) and [Passport Advantage Express^{\(R\)}](#) website.

Publications

Documentation in English and all available translations will be available in [IBM Knowledge Center](#) on the general availability date. Use the search function in IBM Knowledge Center or the product finder feature to find the specific products that you use.

IBM Spectrum Protect documentation is being revised to focus on the preferred methods for implementing data protection solutions. Version 8.1 documentation includes instructions that are designed to streamline and simplify the process of implementing and managing a single multisite disk or a tape solution.

See the following IBM Knowledge Center links to specific IBM Spectrum Protect products:

- [IBM Spectrum Protect](#)
- [IBM Spectrum Protect Extended Edition](#) (see [IBM Spectrum Protect](#) for details)
- [IBM Spectrum Protect Plus](#)
- [IBM Spectrum Protect for Databases](#)
- [IBM Spectrum Protect for Enterprise Resource Planning](#)
- [IBM Spectrum Protect for Mail](#)
- [IBM Spectrum Protect for SAN](#) (previously known as [IBM Tivoli^{\(R\)} Storage Manager for Storage Area Networks](#))
- [IBM Spectrum Protect for Space Management](#)
- [IBM Spectrum Protect HSM for Windows](#)
- [IBM Spectrum Protect for Workstations](#)
- [IBM Spectrum Protect for Virtual Environments](#)
- [IBM Spectrum Protect Snapshot](#)

See the [IBM Spectrum Protect Suite information](#) portals for additional information and documentation about the suite offerings.

Services

Software Services

IBM Software Services has the breadth, depth, and reach to manage your services needs. You can leverage the deep technical skills of our lab-based, software services team and the business consulting, project management, and infrastructure expertise of our IBM Global Services team. Also, we extend our IBM Software Services reach through IBM Business Partners to provide an extensive portfolio of capabilities. Together, we provide the global reach, intellectual capital, industry insight, and technology leadership to support a wide range of critical business needs.

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

Technical information

Specified operating environment

Software requirements

IBM Spectrum Protect supported devices

See the specific websites for the list of devices that are supported by IBM Spectrum Protect (5725-W98), IBM Spectrum Protect Extended Edition (5725-W99), and IBM Spectrum Protect for Data Retention (5725-X15). Libraries that have more than four drives or more than 48 tape slots require a license for IBM Spectrum Protect Extended Edition.

For IBM Spectrum Protect supported devices for AIX^(R) and MicrosoftTM Windows, go to the [IBM Spectrum Protect Supported Devices for AIX and Windows](#) website.

For IBM Spectrum Protect supported devices for Linux, go to the [IBM Spectrum Protect Supported Devices for Linux](#) website.

Software requirements for IBM Spectrum Protect V8.1 products are available at the individual product websites listed below.

For IBM Spectrum Protect (5725-W98), IBM Spectrum Protect Extended Edition (5725-W99), and IBM Spectrum Protect for Data Retention (5725-X15)¹, go to the [Overview -Tivoli Storage Manager Supported Operating Systems](#) website.

For IBM Spectrum Protect for Databases (5725-X01), go to the [IBM Spectrum Protect for Databases - All Requirements Documents](#) website.

For IBM Spectrum Protect for Enterprise Resource Planning (5725-X03), go to the [IBM Spectrum Protect for Enterprise Resource Planning - All Requirements Documents](#) website.

For IBM Spectrum Protect for Mail (5725-X02), go to the [IBM Spectrum Protect for Mail - All Requirements Documents](#) website.

For IBM Spectrum Protect for Space Management (5725-X04), go to the [IBM Spectrum Protect for Space Management \(HSM\) - All Requirements Documents](#) website.

For IBM Spectrum Protect for SAN (5725-X18), go to the [IBM Spectrum Protect for SAN](#) website.

For IBM Spectrum Protect for Virtual Environments (5725-X00), go to the [IBM Spectrum Protect for Virtual Environments - All Requirements Doc](#) website.

For IBM Spectrum Protect High Speed Data Transfer (5725-Z10), go to [IBM Spectrum Protect High Speed Data Transfer Version 8.1.0](#) website.

For IBM Spectrum Protect for Workstations (5725-X12) and IBM Spectrum Protect for Workstations Starter Edition (5725-X13), go to the [IBM Spectrum Protect for Workstations V8.1.X Hardware and Software Requirements](#) website.

For IBM Spectrum Protect HSM for Windows (5725-X14), go to the [Hardware and software requirements for IBM Spectrum Protect HSM for Windows](#) website.

For IBM Spectrum Protect Snapshot (5725-X22 (PPA) 5608-AB8 (AAS)), go to the [IBM Spectrum Protect Snapshot](#) website.

For technical requirements for IBM Spectrum Protect Suite (5725-X05), IBM Spectrum Protect Suite-Front End (5725-X07), IBM Spectrum Protect Suite Entry (5725-X06), and IBM Spectrum Protect Suite Entry-Front End (5725-X08), see the individual product websites listed above.

¹ IBM Spectrum Protect V8.1, IBM Spectrum Protect Extended Edition V8.1 and IBM Spectrum Protect for Data Retention V8.1 have the same hardware, software, and supported device requirements.

Companion products

Organizations that have a SAN environment might consider purchasing IBM Spectrum Control™ in addition to IBM Spectrum Protect. The organization can benefit from the ability to more fully manage their storage environment, including backup and recovery, management of disk performance, management of the physical network of the SAN, and logical connections between the devices.

IBM Electronic Support

The IBM Support Portal is your gateway to technical support. This includes IBM Electronic Support tools and resources, for software and hardware, to help save time and simplify support. The Electronic Support tools can help you find answers to questions, download fixes, troubleshoot, automate data collection, submit and track problems through the Service Request online tool, and build skills. All these tools are made available through your IBM support agreement. Read about the Electronic Support portfolio of tools on the [IBM Electronic Support](#) website.

You can also access the [IBM Support Portal](#) page and the online [Service requests and PMRs](#) tool for more support.

Planning information

Packaging

IBM Spectrum Protect products are distributed with:

- *International Program License Agreement* (Z125-3301)
- License Information document

This offering is delivered through the internet as an electronic download. There is no physical media.

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 Protect products use the security and auditability features of the operating system software.

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.

This product is only available through Passport Advantage. It is not available as shrinkwrap.

These products may only be sold directly by IBM or by IBM Business Partners for Channel Value Rewards.

More information can be found on the [IBM Channel Value Rewards](#) website.

To locate IBM Business Partners for Channel Value Rewards in your geography for a specific Channel Value Rewards portfolio, go to the [Find a Business Partner](#) page.

Product group: IBM Spectrum Protect

Product category: Spectrum Protect

Product Identifier Descriptions	PID number
IBM Spectrum Protect Plus	5737-F11
IBM Spectrum Protect	5725-W98
IBM Spectrum Protect Extended Edition	5725-W99
IBM Spectrum Protect for Data Retention	5725-X15
IBM Spectrum Protect for Databases	5725-X01
IBM Spectrum Protect for Enterprise Resource Planning	5725-X03
IBM Spectrum Protect for Mail	5725-X02
IBM Spectrum Protect for SAN	5725-X18
IBM Spectrum Protect for Space Management	5725-X04
IBM Spectrum Protect for Virtual Environments	5725-X00
IBM Spectrum Protect for Workstations	5725-X12
IBM Spectrum Protect for Workstations Starter Edition	5725-X13
IBM Spectrum Protect High Speed Data Transfer	5725-Z10
IBM Spectrum Protect HSM for Windows	5725-X14
IBM Spectrum Protect Snapshot (for AAS)	5608-AB8
IBM Spectrum Protect Snapshot (for PPA)	5725-X22
IBM Spectrum Protect Suite	5725-X05
IBM Spectrum Protect Suite Entry	5725-X06
IBM Spectrum Protect Suite Entry - Front End (for PPA)	5725-X08
IBM Spectrum Protect Suite - Front End	5725-X07
IBM Tivoli Storage Manager Extended Edition for z/OS ^(R) Media	5698-AAK
IBM Tivoli Storage Manager for z/OS Media	5698-AAH

Passport Advantage customer: Entitlement details

Customers with active maintenance or subscription for the products listed are entitled to receive the corresponding electronic download. There is no longer a media pack.

Media description	Part number
IBM Spectrum Protect Plus (5737-F11)	
IBM Spectrum Protect Plus for Multiplatforms Version 10.1.2 English	Electronic download only
IBM Spectrum Protect (5725-W98)	
IBM Spectrum Protect for Multiplatforms Version 8.1.6 Multilingual	Electronic download only
IBM Spectrum Protect Extended Edition (5725-W99)	
IBM Spectrum Protect Extended Edition for Multiplatforms Version 8.1.6 Multilingual	Electronic download only
IBM Spectrum Protect for Data Retention (5725-X15)	
IBM Spectrum Protect for Data Retention for Multiplatforms Version 8.1.6 Multilingual	Electronic download only
IBM Spectrum Protect for Databases (5725-X01)	
IBM Spectrum Protect for Databases for Multiplatforms Version 8.1.6 Multilingual	Electronic download only
IBM Spectrum Protect for Enterprise Resource Planning (5725-X03)	
IBM Spectrum Protect for Enterprise Resource Planning for Multiplatforms Version 8.1.6 Multilingual	Electronic download only
IBM Spectrum Protect for Mail (5725-X02)	
IBM Spectrum Protect for Mail for Multiplatforms Version 8.1.6 Multilingual	Electronic download only
IBM Spectrum Protect for Workstations (5725-X12)	
IBM Spectrum Protect for Workstations for Multiplatforms Version 8.1.2 Multilingual	Electronic download only
IBM Spectrum Protect for Workstations Starter Edition (5725-X13)	
IBM Spectrum Protect for Workstations Starter Edition for Multiplatforms Version 8.1.2 Multilingual	Electronic download only
IBM Spectrum Protect for SAN (5725-X18)	
IBM Spectrum Protect for SAN for Multiplatforms Version 8.1.6 Multilingual	Electronic download only
IBM Spectrum Protect for Virtual Environments (5725-X00)	
IBM Spectrum Protect for Virtual Environments for Multiplatforms Version 8.1.6 Multilingual	Electronic download only
IBM Spectrum Protect for Space Management (5725-X04)	
IBM Spectrum Protect for Space Management for Multiplatforms Version 8.1.6 Multilingual	Electronic download only
IBM Spectrum Protect High Speed Data Transfer (5725-Z10)	
IBM Spectrum Protect High Speed Data Transfer for Multiplatforms Version 8.1.0 Multilingual	Electronic download only

Media description	Part number
IBM Spectrum Protect Suite (5725-X05)	
IBM Spectrum Protect Suite for Multiplatforms Version 8.1.6 Multilingual	Electronic download only
IBM Spectrum Protect Suite -ProtectTIER ^(R) Option for Multiplatforms Version 8.1.6 Multilingual	Electronic download only
IBM Spectrum Protect Suite - Archive Option for Multiplatforms Version 8.1.6 Multilingual	Electronic download only
IBM Spectrum Protect Suite Entry (5725-X06)	
IBM Spectrum Protect Suite Entry for Multiplatforms Version 8.1.6 Multilingual	Electronic download only
IBM Spectrum Protect Suite - Front End (5725-X07)	
IBM Spectrum Protect Suite - Front End for Multiplatforms Version 8.1.6 Multilingual	Electronic download only
IBM Spectrum Protect Suite Entry - Front End (5725-X08)	
IBM Spectrum Protect Suite Entry - Front End for Multiplatforms Version 8.1.6 Multilingual	Electronic download only
IBM Spectrum Protect HSM for Windows (5725-X14)	
IBM Spectrum Protect HSM for Windows for Multiplatforms Version 8.1.6 Multilingual	Electronic download only
IBM Spectrum Protect Snapshot (5725-X22)	
IBM Spectrum Protect Snapshot V8.1.6 - Multiplatform, Multilingual	Electronic download only

5608-AB8 -IBM Spectrum Protect Snapshot V8.1

Feature description	Feature number
Per Terabyte (1-12) with 1 Year SW S&S	0001
Per Terabyte (13-32) with 1 Year SW S&S	0002
Per Terabyte (33-64) with 1 Year SW S&S	0003
Per Terabyte (65-100) with 1 Year SW S&S	0004
Per Terabyte (101-250) with 1 Year SW S&S	0005
Per Terabyte (251+) with 1 Year SW S&S	0006
Per 250 Terabyte (251+) with 1 Year SW S&S	0007

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

Extending coverage for a total of two years from the date of acquisition may be elected. 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.

Software license includes 1 year Software Maintenance

IBM Spectrum Protect Snapshot V8.1

1 Year Software Subscription and Support (SW S&S)

5608-AB8	
Feature description	Feature number
Per Terabyte (1-12) with 2 Year Software Subscription and Support (SW S&S)	0001
Per Terabyte (13-32) with 2 Year SW S&S	0002
Per Terabyte (33-64) with 2 Year SW S&S	0003
Per Terabyte (65-100) with 2 Year SW S&S	0004
Per Terabyte (101-250) with 2 Year SW S&S	0005
Per Terabyte (251+) with 2 Year SW S&S	0006
Per 250 Terabyte (251+) with 2 Year SW S&S	0007

SW S&S PID 1 Year No Charge Registration

5608-FCY	
Feature description	Feature number
Per Terabyte (1-12) with 2 Year Software Subscription and Support (SW S&S)	0001
Per Terabyte (13-32) with 2 Year SW S&S	0002
Per Terabyte (33-64) with 2 Year SW S&S	0003
Per Terabyte (65-100) with 2 Year SW S&S	0004
Per Terabyte (101-250) with 2 Year SW S&S	0005
Per Terabyte (251+) with 2 Year SW S&S	0006
Per 250 Terabyte (251+) with 2 Year SW S&S	0007

SW S&S PID 2 Year Registration

5608-R16	
Feature description	Feature number
Per Terabyte (1-12) with 2 Year Software Subscription and Support (SW S&S)	0001
Per Terabyte (13-32) with 2 Year SW S&S	0002
Per Terabyte (33-64) with 2 Year SW S&S	0003
Per Terabyte (65-100) with 2 Year SW S&S	0004
Per Terabyte (101-250) with 2 Year SW S&S	0005
Per Terabyte (251+) with 2 Year SW S&S	0006
Per 250 Terabyte (251+) with 2 Year SW S&S	0007

SW S&S PID 3 Year Registration

5608-R13	
Feature description	Feature number
Per Terabyte (1-12) with 2 Year Software Subscription and Support (SW S&S)	0001
Per Terabyte (13-32) with 2 Year SW S&S	0002
Per Terabyte (33-64) with 2 Year SW S&S	0003
Per Terabyte (65-100) with 2 Year SW S&S	0004
Per Terabyte (101-250) with 2 Year SW S&S	0005
Per Terabyte (251+) with 2 Year SW S&S	0006
Per 250 Terabyte (251+) with 2 Year SW S&S	0007

SW S&S PID 4 Year Registration

5608-R17	
Feature description	Feature number
Per Terabyte (1-12) with 2 Year Software Subscription and Support (SW S&S)	0001

5608-R17	
Feature description	Feature number
Per Terabyte (13-32) with 2 Year SW S&S	0002
Per Terabyte (33-64) with 2 Year SW S&S	0003
Per Terabyte (65-100) with 2 Year SW S&S	0004
Per Terabyte (101-250) with 2 Year SW S&S	0005
Per Terabyte (251+) with 2 Year SW S&S	0006
Per 250 Terabyte (251+) with 2 Year SW S&S	0007

SW S&S PID 5 Year Registration

5608-R18	
Feature description	Feature number
Per Terabyte (1-12) with 5 Year Software Subscription and Support (SW S&S)	0001
Per Terabyte (13-32) with 5 Year SW S&S	0002
Per Terabyte (33-64) with 5 Year SW S&S	0003
Per Terabyte (65-100) with 5 Year SW S&S	0004
Per Terabyte (101-250) with 5 Year SW S&S	0005
Per Terabyte (251+) with 5 Year SW S&S	0006
Per 250 Terabyte (251+) with 5 Year SW S&S	0007

Charge metric

Pricing examples

IBM Spectrum Protect V8.1.6 suites include entitlement for IBM Spectrum Protect Plus. IBM Spectrum Protect Plus is measured on a per managed virtual server, or virtual machine (VM), metric when backing up VMs. 1 TB of IBM Spectrum Protect Suite or IBM Spectrum Protect Suite Entry entitles a customer to protect ten VMs with IBM Spectrum Protect Plus. 1 TB of IBM Spectrum Protect Suite - Front End or IBM Spectrum Protect Suite Entry - Front End entitles a customer to protect 15 VMs with IBM Spectrum Protect Plus. When using IBM Spectrum Protect Plus for block-level, incremental backup for applications residing on physical machines, IBM Spectrum Protect Plus is measured per terabyte.

When consuming IBM Spectrum Protect Plus through IBM Spectrum Protect Suite licensing, offload of data from IBM Spectrum Protect Plus to IBM Spectrum Protect Server is included in IBM Spectrum Protect Plus entitlement. In this case, the capacity of the data offloaded is not required to be measured nor does it require additional capacity entitlement.

Example 1: IBM Spectrum Protect Plus protecting physical database servers

A customer wishes to purchase IBM Spectrum Protect Plus to protect one 400 GB (.4 TB) Microsoft SQL Server database and one 3 TB Oracle database. Each database runs on its own physical server and is stored on multiple disk volumes. Transaction log files are consuming additional space. IBM Spectrum Protect Plus is configured to keep seven backup versions for each database in its repository for recovery purposes. The customer wishes to protect 3.4 TB of front-end database capacity, calculated as 0.4 TB for the Microsoft SQL Server database plus 3 TB for the Oracle database. The customer will require 4 TB of capacity entitlements. Capacity entitlements need to be rounded up to the next whole number.

Licensing	Aggregated size of databases on physical servers	Required license entitlements
IBM Spectrum Protect Plus Capacity (per TB)	3.4 TB	4 TB

Licensing	Aggregated size of databases on physical servers	Required license entitlements
IBM Spectrum Protect Suite	3.4 TB	4 TB
IBM Spectrum Protect Suite Entry	3.4 TB	4 TB
IBM Spectrum Protect Suite -- Front End	3.4 TB	4 TB
IBM Spectrum Protect Suite Entry -- Front End	3.4 TB	4 TB

Example 2: IBM Spectrum Protect Plus protecting physical database servers and protecting virtual machines

A customer wishes to purchase IBM Spectrum Protect Plus to protect one 400 GB (.4 TB) Microsoft SQL Server database and one 3 TB Oracle database. Each database runs on its own physical server and is stored on multiple disk volumes. Transaction log files are consuming additional space. IBM Spectrum Protect Plus is configured to keep seven versions for each database in its repository for recovery purposes. The customer wishes to protect 3.4 TB of front-end database capacity, calculated as 0.4 TB for the Microsoft SQL Server database, plus 3 TB for the Oracle database. In addition, the client wishes to protect 150 virtual machines, 30 of them run virtualized Microsoft SQL Server. The customer will require 4 TB of capacity entitlements for the protection of the physical database servers plus entitlements for 150 virtual machines.

Licensing	Aggregated size of databases on physical servers	Required entitlements for protected VMs	Required license entitlements
IBM Spectrum Protect Plus Capacity (per TB) and IBM Spectrum Protect Plus (per 10 VMs)	3.4 TB	15 packs of 10	4 TB plus 15 packs of 10
IBM Spectrum Protect Suite	3.4 TB	150/10=15 TB	19 TB
IBM Spectrum Protect Suite Entry	3.4 TB	150/10=15 TB	19 TB
IBM Spectrum Protect Suite -- Front End	3.4 TB	150/15=10 TB	14 TB
IBM Spectrum Protect Suite Entry -- Front End	3.4 TB	150/15=10 TB	14 TB

Comments:

- IBM Spectrum Protect Plus standalone is sold per pack of ten VMs for data protection and per terabyte for incremental, block-level backup of applications on physical systems
- 1 TB license of IBM Spectrum Protect Suites entitles the customer to protect ten VMs, regardless of their size
- 1 TB license of IBM Spectrum Protect Suites - Front End entitles the customer to protect 15 VMs, regardless of their size

For additional charge metric information, see Software Announcement [218-113](#), dated March 16, 2018.

Terms and conditions

The information provided in this announcement letter is for reference and convenience purposes only. The terms and conditions that govern any transaction with IBM are contained in the applicable contract documents such as the IBM International Program License Agreement, IBM International Passport Advantage Agreement, and the IBM Agreement for Acquisition of Software Maintenance.

This product is only available through Passport Advantage.

Licensing

IBM International Program License Agreement including the License Information document and Proof of Entitlement (PoE) govern your use of the program. PoEs are required for all authorized use. Part number products only, offered outside of Passport Advantage, where applicable, are license only and do not include Software Maintenance.

This software license includes Software Subscription and Support (also referred to as Software Maintenance).

Software Maintenance

The IBM Agreement for Acquisition of Software Maintenance (Z125-6011) applies for Subscription and Support (also referred to as Software Maintenance) and does not require client signatures.

Licenses under the IBM Program License Agreement (IPLA) provide for support with ongoing access to releases and versions of the program. IBM includes one year of Software Subscription and Support (also referred to as Software Maintenance) with the initial license acquisition of each program acquired. The initial period of Software Subscription and Support can be extended by the purchase of a renewal option, if available. Two charges apply: a one-time license charge for use of the program and an annual renewable charge for the enhanced support that includes telephone assistance (voice support for defects during normal business hours), as well as access to updates, releases, and versions of the program as long as support is in effect.

License Information number

The following License Information documents apply to the offerings in this announcement:

License Information number

PID	Product name	VRM	License Information number
5737-F11	IBM Spectrum Protect Plus - Stacked License	10.1.2	L-FAMR-AYLQS5
5725-W98	IBM Spectrum Protect- Stacked License	8.1.6	L-FAMR-AZ2FHS
5725-W99	IBM Spectrum Protect Extended Edition - Stacked License	8.1.6	
5725-X15	IBM Spectrum Protect for Data Retention - Stacked License	8.1.6	
5725-X18	IBM Spectrum Protect for SAN - Stacked License	8.1.6	

PID	Product name	VRM	License Information number
5725-W98	IBM Spectrum Protect	8.1.6	L-FAMR-AZ2FGF
5725-W99	IBM Spectrum Protect Extended Edition	8.1.6	L-FAMR-AZ2FE9
5725-X15	IBM Spectrum Protect for Data Retention	8.1.6	L-FAMR-AZ2FC8
5725-X18	IBM Spectrum Protect for SAN	8.1.6	L-FAMR-AZ2FAW
5725-X01	IBM Spectrum Protect for Databases	8.1.6	L-FAMR-AZ2F9P
5725-X03	IBM Spectrum Protect for Enterprise Resource Planning	8.1.6	L-FAMR-AZ2F5G
5725-X02	IBM Spectrum Protect for Mail	8.1.6	L-FAMR-AZ2F4C
5725-X04	IBM Spectrum Protect for Space Management	8.1.6	L-FAMR-AZ2F2K
5725-X14	IBM Spectrum Protect HSM for Windows	8.1.6	L-FAMR-AZ2EYV
5725-X00	IBM Spectrum Protect for Virtual Environments	8.1.6	L-FAMR-AZ2EWM
5725-X22	IBM Spectrum Protect Snapshot	8.1.6	L-FAMR-AZ2ESG
5725-X06	IBM Spectrum Protect Suite Entry	8.1.6	L-FAMR-AZ2G44
5725-X05	IBM Spectrum Protect Suite	8.1.6	L-FAMR-AZ2GBH
5725-X05	IBM Spectrum Protect Suite - Archive Option	8.1.6	L-FAMR-AZ2GAJ
5725-X05	IBM Spectrum Protect Suite - ProtecTIER ^(R) Option	8.1.6	L-FAMR-AZ2G9A
5725-X05	IBM Spectrum Protect Suite -IBM Cloud TM Object Storage Option	8.1.6	L-FAMR-AZ2G82
5725-X07	IBM Spectrum Protect Suite - Front End	8.1.6	L-FAMR-AZ2G6S
5725-X08	IBM Spectrum Protect Suite Entry - Front End	8.1.6	L-FAMR-AZ2G5R
5725-X11	IBM Spectrum Protect Entry	8.1.6	L-FAMR-AZ2GFQ
5725-Z10	IBM Spectrum Protect High Speed Data Transfer	8.1.0	L-BEBY-AAWRHK
5725-X12	IBM Spectrum Protect for Workstations	8.1.2	L-FAMR-ANDCUC
5725-X13	IBM Spectrum Protect for	8.1.2	L-FAMR-ANDCWN

PID	Product name	VRM	License Information number
	Workstations Starter Edition		

Select your language of choice and scroll down to the Charge Metrics section. Follow-on releases, if any, may have updated terms. See the [License Information documents](#) website for more information.

Limited warranty applies

Yes

Limited warranty

IBM warrants that when the program is used in the specified operating environment, it will conform to its specifications. The warranty applies only to the unmodified portion of the program. IBM does not warrant uninterrupted or error-free operation of the program or that IBM will correct all program defects. You are responsible for the results obtained from the use of the program.

IBM provides you with access to IBM databases containing information on known program defects, defect corrections, restrictions, and bypasses at no additional charge. For further information, see the [IBM Software Support Handbook](#).

IBM will maintain this information for at least one year after the original licensee acquires the program (warranty period).

Program technical support

Technical support of a program product version or release will be available for a minimum of five years from the general availability date, as long as your Software Subscription and Support (also referred to as Software Maintenance) is in effect.

This technical support allows you to obtain assistance (by telephone or electronic means) from IBM for product-specific, task-oriented questions regarding the installation and operation of the program product. Software Subscription and Support (Software Maintenance) also provides you with access to updates (modifications or fixes), releases, and versions of the program. You will be notified, through an announcement letter, of discontinuance of support with 12 months' notice. If you require additional technical support from IBM, including an extension of support beyond the discontinuance date, contact your IBM representative or IBM Business Partner. This extension may be available for a fee.

For additional information on the IBM Software Support Lifecycle Policy, see the [IBM Software Support Lifecycle Policy](#) website.

Money-back guarantee

If for any reason you are dissatisfied with the program and you are the original licensee, you may obtain a refund of the amount you paid for it, if within 30 days of your invoice date you return the program and its PoE to the party from whom you obtained it. If you downloaded the program, you may contact the party from whom you acquired it for instructions on how to obtain the refund.

For clarification, note that (1) for programs acquired under the IBM International Passport Advantage offering, this term applies only to your first acquisition of the program and (2) for programs acquired under any of IBM's On/Off Capacity on Demand (On/Off CoD) software offerings, this term does not apply since these offerings apply to programs already acquired and in use by you.

Volume orders (IVO)

No

Passport Advantage applies

Yes, information is available on the [Passport Advantage and Passport Advantage Express](#) website.

Usage restrictions

This offering is subject to usage restrictions.

Usage is limited to the quantity of Processor Value Units, client devices, and terabytes licensed.

See the [License Information documents](#) page on the IBM Software License Agreement website for more information.

Software Subscription and Support applies

Yes. Software Subscription and Support, also referred to as Software Maintenance, is now included in the Passport Advantage Agreement. Installation and technical support for the products announced in this announcement is provided by the Software Subscription and Support offering of the IBM International Passport Advantage Agreement. This fee service enhances client productivity by providing voice or electronic access into the IBM support organizations.

IBM includes one year of Software Subscription and Support with the initial license acquisition of each program acquired. The initial period of Software Subscription and Support can be extended by the purchase of a renewal option.

While your Software Subscription and Support is in effect, IBM provides you assistance for your routine, short duration installation and usage (how-to) questions, and code-related questions. IBM provides assistance by telephone and, if available, electronic access, only to your information systems (IS) technical support personnel during the normal business hours (published prime shift hours) of your IBM support center. (This assistance is not available to your users.) IBM provides Severity 1 assistance 24 hours a day, every day of the year. For additional details, see the [IBM Software Support Handbook](#). Software Subscription and Support does not include assistance for the design and development of applications, your use of programs in other than their specified operating environment, or failures caused by products for which IBM is not responsible under this agreement.

For additional information about the Passport Advantage Agreement, go to the [Passport Advantage and Passport Advantage Express](#) website.

All distributed software licenses include Software Subscription and Support for a period of 12 months from the date of acquisition, providing a streamlined way to acquire IBM software and assure technical support coverage for all licenses. Extending coverage for a total of three years from date of acquisition, may be elected.

Variable charges apply

No

Educational allowance available

Yes. A 15% education allowance applies to qualified education institution clients.

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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IBM Electronic Services

Electronic Service Agent™ and the IBM Electronic Support web portal are dedicated to providing fast, exceptional support to organizations that have IBM Systems. The IBM Electronic Service Agent tool is a no-additional-charge tool that proactively monitors and reports hardware events, such as system errors, performance issues, and inventory. The Electronic Service Agent tool can help you stay focused on your company's strategic business initiatives, save time, and spend less effort managing day-to-day IT maintenance issues. Servers enabled with this tool can be monitored remotely around the clock by IBM Support, all at no additional cost to you.

Now integrated into the base operating system of AIX V5.3, AIX V6.1, and AIX V7.1, Electronic Service Agent is designed to automatically and electronically report system failures and utilization issues to IBM, which can result in faster problem resolution and increased availability. System configuration and inventory information collected by the Electronic Service Agent tool also can be viewed on the secure Electronic Support web portal, and used to improve problem determination and resolution by you and the IBM support team. To access the tool main menu, simply type `smitty esa_main`, and select Configure Electronic Service Agent. In addition, ESA now includes a powerful web user interface, giving the administrator easy access to status, tool settings, problem information, and filters. For more information and documentation on how to configure and use Electronic Service Agent, go to the [IBM Electronic Service Agent](#) website.

The IBM Electronic Support portal is a single internet entry point that replaces the multiple entry points traditionally used to access IBM internet services and support. This portal enables you to gain easier access to IBM resources for assistance in resolving technical problems. The My Systems and Premium Search functions make it even easier for organizations that are Electronic Service Agent tool-enabled to track system inventory and find pertinent fixes.

Benefits

Increased uptime: The Electronic Service Agent™ tool is designed to enhance the Warranty or Maintenance Agreement by providing faster hardware error reporting and uploading system information to IBM Support. This can translate to less wasted time monitoring the symptoms, diagnosing the error, and manually calling IBM Support to open a problem record. Its 24 x 7 monitoring and reporting mean human intervention is not required to report errors.

Security: The Electronic Service Agent tool is designed to be secure in monitoring, reporting, and storing the data at IBM. The Electronic Service Agent tool is designed to securely transmit either through the internet (HTTPS or VPN) or modem to provide organizations a single point of exit from their site. Communication is one way. Activating Electronic Service Agent does not enable IBM to call into an organization's system.

For additional information, go to the [IBM Electronic Service Agent](#) website.

More accurate reporting: Because system information and error logs are automatically uploaded to the IBM Support Center in conjunction with the service request, you are not required to find and send system information, decreasing the risk of misreported or misdiagnosed errors. Once inside IBM, problem error data is run through a data knowledge management system and knowledge articles are appended to the problem record.

Customized support: Using the IBMid entered during activation, you can view system and support information in the *My Systems and Premium Search* sections of the [IBM Electronic Support](#) page.

My Systems provides valuable reports of installed hardware and software using information collected from the systems by Electronic Service Agent. Reports are available for any system associated with your IBMid. Premium Search combines the function of search and the value of Electronic Service Agent information, providing advanced search of the technical support knowledge base. Using Premium Search and the Electronic Service Agent information that has been collected from your system, you are able to see search results that apply specifically to your systems.

For more information on how to utilize the power of IBM Electronic Services, contact your IBM Systems Services Representative, or go to the [IBM Electronic Support](#) website.

Prices

Business Partner information

If you are an IBM Business Partner acquiring products from IBM, you may link to Passport Advantage Online for resellers where you can obtain Business Partner pricing information. An IBMid and password are required to access the [IBM Passport Advantage](#) website.

Passport Advantage

For Passport Advantage information and charges, contact your IBM representative or IBM Business Partner for Channel Value Rewards. Additional information is also available on the [Passport Advantage and Passport Advantage Express](#) website.

Registered external customers and IBM Business Partners can access IBMLink for charges.

To view pricing information, go to [IBMLink](#).

For software prices, select **Look up IBM standard hardware and software prices (Price) excluding System z^(R) products** under *Prices*. Specify *Price type*, *Search type*, and *Search value*, then click **Search**.

Note: Enter program number in the **Search value**.

You can also contact your local IBM representative or IBM Business Partner for the applicable charges.

Program Name: IBM Spectrum Protect Snapshot

Orderable Program Number: 5608-AB8

Feature description	PID	Feature code
Per Terabyte (1-12) with 1 Year Software Subscription and Support (SW S&S)	5608-AB8	0001
Per Terabyte (13-32) with 1 Year SW S&S	5608-AB8	0002

Feature description	PID	Feature code
Per Terabyte (33-64) with 1 Year SW S&S	5608-AB8	0003
Per Terabyte (65-100) with 1 Year SW S&S	5608-AB8	0004
Per Terabyte (101-250) with 1 Year SW S&S	5608-AB8	0005
Per Terabyte (251+) with 1 Year SW S&S	5608-AB8	0006
Per 250 Terabyte (251+) with 1 Year SW S&S	5608-AB8	0007
.	.	.
Per Terabyte (1-12) with 1 Year Software Subscription and Support (SW S&S) No Charge Registration	5608-FCY	0001
Per Terabyte (13-32) with 1 Year SW S&S No Charge Registration	5608-FCY	0002
Per Terabyte (33-64) with 1 Year SW S&S No Charge Registration	5608-FCY	0003
Per Terabyte (65-100) with 1 Year SW S&S No Charge Registration	5608-FCY	0004
Per Terabyte (101-250) with 1 Year SW S&S No Charge Registration	5608-FCY	0005
Per Terabyte (251+) with 1 Year SW S&S No Charge Registration	5608-FCY	0006
Per 250 Terabyte (251+) with 1 Year SW S&S No Charge Registration	5608-FCY	0007
.	.	.
Per Terabyte (1-12) with 2 Year Software Subscription and Support (SW S&S)	5608-R16	0001
Per Terabyte (13-32) with 2 Year SW S&S	5608-R16	0002
Per Terabyte (33-64) with 2 Year SW S&S	5608-R16	0003
Per Terabyte (65-100) with 2 Year SW S&S	5608-R16	0004
Per Terabyte (101-250) with 2 Year SW S&S	5608-R16	0005
Per Terabyte (251+) with 2 Year SW S&S	5608-R16	0006
Per 250 Terabyte (251+) with 2 Year SW S&S	5608-R16	0007
.	.	.
Per Terabyte (1-12) with 3 Year Software Subscription and Support (SW S&S)	5608-R13	0001
Per Terabyte (13-32) with 3 Year SW S&S	5608-R13	0002
Per Terabyte (33-64) with 3 Year SW S&S	5608-R13	0003
Per Terabyte (65-100) with 3 Year SW S&S	5608-R13	0004
Per Terabyte (101-250) with 3 Year SW S&S	5608-R13	0005
Per Terabyte (251+) with 3 Year SW S&S	5608-R13	0006

Feature description	PID	Feature code
Per 250 Terabyte (251+) with 3 Year SW S&S	5608-R13	0007
.	.	.
Per Terabyte (1-12) with 4 Year Software Subscription and Support (SW S&S)	5608-R17	0001
Per Terabyte (13-32) with 4 Year SW S&S	5608-R17	0002
Per Terabyte (33-64) with 4 Year SW S&S	5608-R17	0003
Per Terabyte (65-100) with 4 Year SW S&S	5608-R17	0004
Per Terabyte (101-250) with 4 Year SW S&S	5608-R17	0005
Per Terabyte (251+) with 4 Year SW S&S	5608-R17	0006
Per 250 Terabyte (251+) with 4 Year SW S&S	5608-R17	0007
.	.	.
Per Terabyte (1-12) with 5 Year Software Subscription and Support (SW S&S)	5608-R18	0001
Per Terabyte (13-32) with 5 Year SW S&S	5608-R18	0002
Per Terabyte (33-64) with 5 Year SW S&S	5608-R18	0003
Per Terabyte (65-100) with 5 Year SW S&S	5608-R18	0004
Per Terabyte (101-250) with 5 Year SW S&S	5608-R18	0005
Per Terabyte (251+) with 5 Year SW S&S	5608-R18	0006
Per 250 Terabyte (251+) with 5 Year SW S&S	5608-R18	0007

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