

IBM Spectrum Protect solution delivers support for Containers, Microsoft Office 365, VMware Cloud on AWS, and additional features that are focused on cyber security and data compliance

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At a glance

IBM Spectrum^(R) Protect solution delivers support for:

- New applications with MicrosoftTM Exchange Online and Microsoft OneDrive
- Container backup with Kubernetes integration
- Support for VMware Cloud on Amazon Web Services (AWS)
- Greater cyber security and data compliance with support for dual authorization and retention holds

Overview

IBM Spectrum Protect 8.1.9 and IBM Spectrum Protect Plus 10.1.5 deliver the following new capabilities and feature enhancements:

- Container support with Kubernetes integration. Enables developers to natively backup containers in a Kubernetes environment through easy backup and restore of persistent volumes.
- IBM Spectrum Protect for Microsoft Exchange Online and OneDrive. Simplifies protection and retention of vital business data in Exchange Online and OneDrive.
- Retention hold for data compliance enabled. Provides security data compliance with the ability to support retention holds.
- Dual authorization. Provides greater cyber resiliency with dual authorization for administration.
- Support for VMware Cloud on AWS that includes the function that provides unified protection for VMware VMs in a VMware Cloud on AWS environment.
- Hierarchical Storage Management (HSM) WindowsTM enhancement enables easier administration with the ability to display monitoring and configuration data that analyzes the health of Windows file servers.
- Other key enhancements include:
 - VMware streaming restores ensure higher performance when recovering a large number of VMs.
 - Microsoft SQL Server includes the following capabilities:
 - Better audit capabilities by registering activity in the Microsoft SQL Server audit logs

- Ability to remotely trigger log backup by using IBM Spectrum Protect Plus API and get status updates on REST API log backups through REST APIs, integrity checks, and perform direct backup to vSnap
- Enhanced LDAP integration that enables administrators to integrate with more complex LDAP structures and easily search LDAP groups and trees to quickly find user groups.

Key requirements

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)
- 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

November 22, 2019

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

Description

The following enhancements are included in the following latest releases:

Container support for Kubernetes

IBM Spectrum Protect Plus uses the Container Storage Interface (CSI) to initiate and persist snapshots for Kubernetes Persistent Volume Claims (PVC) by using Ceph block storage. An application developer uses the native Kubernetes command line (kubectl) to perform this function in a self-service manner and can create Kubernetes-aware backup scheduling automation. The back up Service Level Agreements (SLAs) in IBM Spectrum Protect Plus provide control for scheduling, snapshot retention, and copy to vSnap.

Support for Microsoft Exchange Online and OneDrive

IBM Spectrum Protect Plus provides backup and recovery for Microsoft Exchange Online and Microsoft OneDrive. It drives operational efficiency and helps ensure compliance by managing and retaining mailboxes, calendars, contacts, and shared folders as part of an overall data protection solution.

Retention hold for data compliance

This functionality in IBM Spectrum Protect simplifies the process of meeting compliancy requirements by enabling clients to place one or more retention holds on data in a retention set for a set period of time.

Dual authorization for administration commands

IBM Spectrum Protect now enables clients to put extra protection and data reuse on their data by requiring dual authorization to prevent data from being deleted inadvertently or intentionally by an unauthorized or rogue administrator.

VMware Cloud on AWS deployment

IBM Spectrum Protect Plus deployment in VMware Cloud on Amazon Web Service (AWS) provides lifecycle management and data protection for clients' virtual machines that run in VMware Cloud on AWS

Hierarchical Storage Management (HSM) Windows enhancements

IBM Spectrum Protect HSM for Windows uses REST API to connect HSM managed file servers and display monitoring and configuration data for better control of file server disk usage.

IBM Spectrum Protect is updated for currency:

- IBM Spectrum Protect Backup/Archive clients, Data Protection Clients, and Space Management for UNIX^(R) support RHEL 8
- IBM Spectrum Protect for Databases support for Oracle 19c and Windows 2019
- IBM Spectrum Protect for Space Management for UNIX support for IBM Spectrum Scale 5.0.4
- IBM Spectrum Protect Snapshot and IBM Spectrum Protect for ERP support for Db2^(R) 11.5
- IBM Spectrum Protect Plus support for Oracle 19c and Db2 11.5

Accessibility by people with disabilities

Accessibility Compliance Reports (previously known as a VPAT) containing details on accessibility compliance to standards, including the Worldwide Consortium Web Content Accessibility Guidelines, European Standard EN 301 349, and US Section 508, can be found on the [IBM^{\(R\)} Accessibility Conformance Report Request](#) website.

Reference information

For complete product information about IBM Spectrum Protect, see Software Announcement [218-316](#), dated August 24, 2018..

Availability of national languages

There is only electronic availability. There is no physical media.

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

Program number

Program number	VRM	Program name
5737-F11	10.1.5	IBM Spectrum Protect Plus
5725-W98	8.1.9	IBM Spectrum Protect
5725-W99	8.1.9	IBM Spectrum Protect Extended Edition
5725-X15	8.1.9	IBM Spectrum Protect for Data Retention
5725-Z10	8.1.0	IBM Spectrum Protect High Speed Data Transfer
5725-X01	8.1.9	IBM Spectrum Protect for Databases
5725-X03	8.1.9	IBM Spectrum Protect for Enterprise Resource Planning
5725-X02	8.1.9	IBM Spectrum Protect for Mail

Program number	VRM	Program name
5725-X18	8.1.9	IBM Spectrum Protect for SAN
5725-X04	8.1.9	IBM Spectrum Protect for Space Management
5725-X14	8.1.9	IBM Spectrum Protect HSM for Windows
5698-AAH	7.1.5	IBM Tivoli ^(R) Storage Manager for z/OS ^(R) Media
5698-AAK	7.1.5	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	8.1.9	IBM Spectrum Protect for Virtual Environments
5725-X05	8.1.9	IBM Spectrum Protect Suite
5725-X06	8.1.9	IBM Spectrum Protect Suite Entry
5725-X07	8.1.9	IBM Spectrum Protect Suite-Front End
5725-X08	8.1.9	IBM Spectrum Protect Suite Entry-Front End (for PPA)
5608-AB8	8.1.9	IBM Spectrum Protect Snapshot (for AAS)
5725-X22	8.1.9	IBM Spectrum Protect Snapshot (for PPA)

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.

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 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](#) portal 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 the lab-based software services team and the business consulting, project management, and infrastructure expertise of the IBM Global Services team. Also, IBM extends the reach of IBM Software Services through IBM Business Partners to provide an extensive portfolio of capabilities. IBM provides 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)
 - For IBM Spectrum Protect supported devices for AIX^(R) and Microsoft Windows, go to the [IBM Spectrum Protect Supported Devices for AIX and Windows](#) website.
 - For IBM Spectrum Protect supported devices for Linux^(R), go to the [IBM Spectrum Protect Supported Devices for Linux](#) website.
- IBM Spectrum Protect Extended Edition (5725-W99)
- IBM Spectrum Protect for Data Retention (5725-X15).

Libraries that have more than 4 drives or more than 48 tape slots require a license for IBM Spectrum Protect Extended Edition.

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 following individual product websites:

- 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 -IBM Spectrum Protect 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 previously.

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.

Compatibility

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

This offering is available from [IBM Marketplace](#). On IBM Marketplace, you can discover, try, and buy software, hardware, and services from IBM and third-party providers.

IBM Support

[IBM Support](#) is your gateway to technical support tools and resources that are designed to help you save time and simplify support. IBM Support can help you find answers to questions, download fixes, troubleshoot, submit and track problem cases, and build skills. Learn and stay informed about the transformation of IBM Support, including new tools, new processes, and new capabilities, by going to the [IBM Support Insider](#).

You can also access the [Service requests and PMRs](#) website for additional support options.

Planning information

Packaging

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

This offering is available from [IBM Marketplace](#). On IBM Marketplace, you can discover, try, and buy software, hardware, and services from IBM and third-party providers.

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.

Passport Advantage

New part number

IBM Spectrum Protect Plus V10.1.5 introduces the following part number:

Part number description	Part number
IBM Spectrum Protect Plus for Microsoft Office 365 Entity ID Monthly License	D25ZELL

Previously announced part numbers

As a convenience, the following table lists previously announced part numbers for IBM Spectrum Protect Plus.

Part number description	Part number
IBM Spectrum Protect Plus 10 Managed Virtual Servers License + SW Subscription & Support 12 Months	D1VBTLL
IBM Spectrum Protect Plus 10 Managed Virtual Servers SW Subscription & Support Reinstatement 12 Months	D1VBULL
IBM Spectrum Protect Plus 10 Managed Virtual Servers Monthly License	D1VBVLL
IBM Spectrum Protect Plus 10 Managed Virtual Servers Annual SW Subscription & Support Renewal	E0NXKLL
IBM Spectrum Protect Plus Capacity per Terabyte License + SW Subscription & Support 12 Months	D1X27LL
IBM Spectrum Protect Plus Capacity per Terabyte SW Subscription & Support Reinstatement 12 Months	D1X28LL
IBM Spectrum Protect Plus Capacity per Terabyte Monthly License	D1X29LL
IBM Spectrum Protect Plus Capacity per Terabyte Annual SW Subscription & Support Renewal	E0P83LL

Passport Advantage client: Media entitlement details

Clients with active maintenance or subscription for the products listed are entitled to receive the corresponding media. This media is Electronic download only.

Media description	Media type
IBM Spectrum Protect Plus (5737-F11)	
IBM Spectrum Protect Plus for Multiplatforms Version 10.1.4 English	Electronic download
IBM Spectrum Protect (5725-W98)	
IBM Spectrum Protect for Multiplatforms Version 8.1.8 Multilingual	Electronic download
IBM Spectrum Protect Extended Edition (5725-W99)	
IBM Spectrum Protect Extended Edition for Multiplatforms Version 8.1.8 Multilingual	Electronic download
IBM Spectrum Protect for Data Retention (5725-X15)	
IBM Spectrum Protect for Data Retention for Multiplatforms Version 8.1.8 Multilingual	Electronic download
IBM Spectrum Protect for Databases (5725-X01)	
IBM Spectrum Protect for Databases for Multiplatforms Version 8.1.8 Multilingual	Electronic download
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
IBM Spectrum Protect for Mail (5725-X02)	
IBM Spectrum Protect for Mail for Multiplatforms Version 8.1.8 Multilingual	Electronic download
IBM Spectrum Protect for Workstations (5725-X12)	
IBM Spectrum Protect for Workstations for Multiplatforms Version 8.1.2 Multilingual	Electronic download

IBM Configurator for e-business (e-config)

Previously announced feature numbers

As a convenience, the following tables list all previously announced feature numbers.

IBM Spectrum Protect Snapshot V8.1 (5608-AB8)

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

5608-R13	
Feature description	Feature number
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
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

The charge metrics for these licensed products can be found in the following License Information documents:

Program number	License Information document title	License Information document number
5725-W98	IBM Spectrum Protect 8.1.9	L-FAMR-BEKS2M
5725-W99	IBM Spectrum Protect Extended Edition 8.1.9	L-FAMR-BEKRZH
5725-X15	IBM Spectrum Protect for Data Retention 8.1.9	L-FAMR-BEKRYF
5725-X18	IBM Spectrum Protect for SAN 8.1.9	L-FAMR-BEKRXF
5725-X01	IBM Spectrum Protect for Databases 8.1.9	L-FAMR-BEKRZV
5725-X03	IBM Spectrum Protect for Enterprise Resource Planning 8.1.9	L-FAMR-BEKRUP
5725-X02	IBM Spectrum Protect for Mail 8.1.9	L-FAMR-BEKRTW
5725-X04	IBM Spectrum Protect for Space Management 8.1.9	L-FAMR-BEKRT6
5725-X14	IBM Spectrum Protect HSM for Windows 8.1.9	L-FAMR-BEKRSF

Program number	License Information document title	License Information document number
5725-X00	IBM Spectrum Protect for Virtual Environments 8.1.9	L-FAMR-BEKRRC
5725-X22	IBM Spectrum Protect Snapshot 8.1.9	L-FAMR-BEKRPG
5737-F11	IBM Spectrum Protect Plus 10.1.5	L-FAMR-BEZMXW
5725-X06	IBM Spectrum Protect Suite Entry 8.1.9	L-FAMR-BEKSXS
5725-X05	IBM Spectrum Protect Suite 8.1.9	L-FAMR-BEKSHY
5725-X05 Archive Option	IBM Spectrum Protect Suite - Archive Option 8.1.9	L-FAMR-BEKSGV
5725-X05 ProtecTIER ^(R) Option	IBM Spectrum Protect Suite -ProtecTIER Option 8.1.9	L-FAMR-BEKSFA
5725-X05 IBM Cloud Object Storage Option	IBM Spectrum Protect Suite -IBM Cloud Object Storage Option 8.1.9	L-FAMR-BEKSDW
5725-X07	IBM Spectrum Protect Suite -- Front End 8.1.9	L-FAMR-BEKSCC
5725-X08	IBM Spectrum Protect Suite Entry -- Front End 8.1.9	L-FAMR-BEKSAK
5725-X11	IBM Spectrum Protect Entry 8.1.9	L-FAMR-BEKS9D

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.

Pricing Examples

Comments

- IBM Spectrum Protect Plus support for Microsoft Office 365 Exchange Online and OneDrive requires a subscription license that is measured per protected Microsoft Office 365 user when backing up mailboxes, calendars, contacts and shared folders of each user. A perpetual license option is currently unavailable.
- Entitlement to protect Microsoft Office 365 is NOT included in the IBM Spectrum Protect Suites or the IBM Spectrum Storage Suite, therefore needs to be purchased separately.
- Capacity entitlements need to be rounded up to the next whole number.
- IBM Spectrum Protect Plus standalone is sold per pack of 10 VMs for data protection and per terabyte (TB) for incremental, block-level backup of applications on physical systems and containers.
- 1-TB license of IBM Spectrum Protect Suite entitles the client to protect 10 VMs, regardless of their size.
- 1-TB license of IBM Spectrum Protect Suite - Front End entitles the client to protect 15 VMs, regardless of their size.
- When leveraging the IBM Spectrum Storage Suite, IBM Spectrum Protect Plus is measured based on backend capacity. This is the capacity utilized by the vSnap repository. The vSnap repository capacity report is available via IBM Spectrum Protect Plus reports.

Example 1

Microsoft Exchange Online, OneDrive and other workloads

A client has 100 Microsoft Office 365 users each having an email account and access to OneDrive. They wish to purchase IBM Spectrum Protect to protect all 100 users and protect 150 Virtual Machines (VM), 0.4 TB of Microsoft SQL Server database and

3 TB of Oracle database each running on its own physical server. That is a total of 3.4 TB of front-end capacity rounded up to 4 TB.

- 100 monthly licenses of IBM Spectrum Protect Plus for Microsoft Office 365 for all 100 users
- 4 TB of capacity for the protection of the physical database servers.
- 150 VMs (represented as 20 TB of capacity in the vSnap repository capacity report in IBM Spectrum Protect Plus)
- For Spectrum Storage Suite, the physical database for Microsoft SQL and Oracle is represented as 10 TB in the vSnap repository

Licensing	Aggregated size of databases on physical servers	Required entitlements for protected VMs	Required license entitlements
IBM Spectrum Protect Plus (SPP) Standalone	4 TB	15 packs of 10	<ul style="list-style-type: none"> • 15 10-packs of IBM Spectrum Protect Plus • 4 TB of IBM Spectrum Protect Plus capacity • 100 users of IBM Spectrum Protect Plus for Office 365
IBM Spectrum Protect Suite	4 TB	150/10 = 15 TB	<ul style="list-style-type: none"> • 19 TB of IBM Spectrum Protect Suite • 100 users of IBM Spectrum Protect Plus for Office 365
IBM Spectrum Protect Suite -- Front End (FE)	4 TB	150/15 = 10 TB	<ul style="list-style-type: none"> • 14 TB of IBM Spectrum Protect Suite Front End • 100 users of IBM Spectrum Protect Plus for Office 365
IBM Spectrum Storage Suite	10 TB Measured based on backend capacity utilized by the vSnap repository	20 TB Measured based on backend capacity utilized by the vSnap repository	<ul style="list-style-type: none"> • 30 TB of IBM Spectrum Storage Suite • 100 users of IBM Spectrum Protect Plus for Office 365

Example 2

Persistent volumes in containers and other workloads

A client wishes to protect persistent volumes in his Kubernetes environment. IBM Spectrum Protect Plus is configured to protect a total of 400 GB (0.4 TB) of persistent volumes in the vSnap repository for recovery purposes. In addition to the persistent volumes, the client also needs to protect 150 VMs, 100 Microsoft Office 365 users, one 200 GB (0.2 TB) Microsoft SQL server database and one 7 TB Oracle database. Each database is running in its own physical server.

- 100 monthly licenses of IBM Spectrum Protect Plus for Microsoft Office 365 for all 100 users
- 150 VMs (represented as 20 TB of capacity in the vSnap repository capacity report in IBM Spectrum Protect Plus)
- The backups for the Microsoft SQL and Oracle databases residing on physical machines are utilizing 10 TB in the vSnap repository

- The backups for the persistent volumes are utilizing 2 TB in the vSnap repository

Licensing	Aggregated size of databases on physical servers and containers	Required entitlements for protected VMs	Required license entitlements
IBM Spectrum Protect Plus (SPP) Standalone	8 TB (0.4 + 0.2 + 7) TB = 7.6 TB	15 packs of 10	<ul style="list-style-type: none"> • 15 10-packs of IBM Spectrum Protect Plus • 8 TB of IBM Spectrum Protect Plus capacity • 100 users of IBM Spectrum Protect Plus for Office 365
IBM Spectrum Protect Suite	8 TB (0.4 + 0.2 + 7) TB = 7.6 TB	150/10 = 15 TB	<ul style="list-style-type: none"> • 23 TB of IBM Spectrum Protect Suite • 100 users of IBM Spectrum Protect Plus for Office 365
IBM Spectrum Protect Suite -- Front End (FE)	8 TB (0.4 + 0.2 + 7) TB = 7.6 TB	150/15 = 10 TB	<ul style="list-style-type: none"> • 18 TB of IBM Spectrum Protect Suite Front End • 100 users of IBM Spectrum Protect Plus for Office 365
IBM Spectrum Storage Suite	12 TB (2 + 10) TB = 12 TB Measured based on backend capacity utilized by the vSnap repository	20 TB Measured based on backend capacity utilized by the vSnap repository	<ul style="list-style-type: none"> • 32 TB of IBM Spectrum Storage Suite • 100 users of IBM Spectrum Protect Plus for Office 365

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^(R) 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^(R), 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 International 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 charge metrics for these licensed products can be found in the following License Information documents:

Program number	License Information document title	License Information document number
5725-W98	IBM Spectrum Protect 8.1.9	L-FAMR-BEKS2M
5725-W99	IBM Spectrum Protect Extended Edition 8.1.9	L-FAMR-BEKRZH
5725-X15	IBM Spectrum Protect for Data Retention 8.1.9	L-FAMR-BEKRYF
5725-X18	IBM Spectrum Protect for SAN 8.1.9	L-FAMR-BEKRXF
5725-X01	IBM Spectrum Protect for Databases 8.1.9	L-FAMR-BEKRZV
5725-X03	IBM Spectrum Protect for Enterprise Resource Planning 8.1.9	L-FAMR-BEKRUP
5725-X02	IBM Spectrum Protect for Mail 8.1.9	L-FAMR-BEKRTW
5725-X04	IBM Spectrum Protect for Space Management 8.1.9	L-FAMR-BEKRT6
5725-X14	IBM Spectrum Protect HSM for Windows 8.1.9	L-FAMR-BEKRSF
5725-X00	IBM Spectrum Protect for Virtual Environments 8.1.9	L-FAMR-BEKRRC
5725-X22	IBM Spectrum Protect Snapshot 8.1.9	L-FAMR-BEKRPG
5737-F11	IBM Spectrum Protect Plus 10.1.5	L-FAMR-BEZMXW
5725-X06	IBM Spectrum Protect Suite Entry 8.1.9	L-FAMR-BEKSXS
5725-X05	IBM Spectrum Protect Suite 8.1.9	L-FAMR-BEKSHY
5725-X05 Archive Option	IBM Spectrum Protect Suite - Archive Option 8.1.9	L-FAMR-BEKSGV
5725-X05 ProtecTIER Option	IBM Spectrum Protect Suite -ProtecTIER Option 8.1.9	L-FAMR-BEKSFA
5725-X05 IBM Cloud Object Storage Option	IBM Spectrum Protect Suite -IBM Cloud Object Storage Option 8.1.9	L-FAMR-BEKSDW

Program number	License Information document title	License Information document number
5725-X07	IBM Spectrum Protect Suite -- Front End 8.1.9	L-FAMR-BEKS9C
5725-X08	IBM Spectrum Protect Suite Entry -- Front End 8.1.9	L-FAMR-BEKSAK
5725-X11	IBM Spectrum Protect Entry 8.1.9	L-FAMR-BEKS9D

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.

Pricing Examples

Comments

- IBM Spectrum Protect Plus support for Microsoft Office 365 Exchange Online and OneDrive requires a subscription license that is measured per protected Microsoft Office 365 user when backing up mailboxes, calendars, contacts and shared folders of each user. A perpetual license option is currently unavailable.
- Entitlement to protect Microsoft Office 365 is NOT included in the IBM Spectrum Protect Suites or the IBM Spectrum Storage Suite, therefore needs to be purchased separately.
- Capacity entitlements need to be rounded up to the next whole number.
- IBM Spectrum Protect Plus standalone is sold per pack of 10 VMs for data protection and per terabyte for incremental, block-level backup of applications on physical systems and containers.
- 1-TB license of IBM Spectrum Protect Suite entitles the client to protect 10 VMs, regardless of their size.
- 1-TB license of IBM Spectrum Protect Suite - Front End entitles the client to protect 15 VMs, regardless of their size.
- When leveraging the IBM Spectrum Storage Suite, IBM Spectrum Protect Plus is measured based on backend capacity. This is the capacity utilized by the vSnap repository. The vSnap repository capacity report is available via IBM Spectrum Protect Plus reports.

Example 1

Microsoft Exchange Online, OneDrive and other workloads

A client has 100 Microsoft Office 365 users each having an email account and access to OneDrive. They wish to purchase IBM Spectrum Protect to protect all 100 users and protect 150 Virtual Machines (VM), 0.4 TB of Microsoft SQL Server database and 3TB of Oracle database each running on its own physical server. That's a total of 3.4 TB of front-end capacity rounded up to 4 TB.

- 100 monthly licenses of IBM Spectrum Protect Plus for Microsoft Office 365 for all 100 users
- 4 TB of capacity for the protection of the physical database servers
- 150 VMs (represented as 20 TB of capacity in the vSnap repository capacity report in IBM Spectrum Protect Plus)
- For Spectrum Storage Suite, the physical database for Microsoft SQL and Oracle is represented as 10 TB in the vSnap repository

Licensing	Aggregated size of databases on physical servers	Required entitlements for protected VMs	Required license entitlements
IBM Spectrum Protect Plus (SPP) Standalone	4 TB	15 packs of 10	<ul style="list-style-type: none"> • 15 10-packs of IBM Spectrum Protect Plus • 4 TB of IBM Spectrum Protect Plus capacity

Licensing	Aggregated size of databases on physical servers	Required entitlements for protected VMs	Required license entitlements
			<ul style="list-style-type: none"> 100 users of IBM Spectrum Protect Plus for Office 365
IBM Spectrum Protect Suite	4 TB	150/10 = 15 TB	<ul style="list-style-type: none"> 19 TB of IBM Spectrum Protect Suite 100 users of IBM Spectrum Protect Plus for Office 365
IBM Spectrum Protect Suite -- Front End (FE)	4 TB	150/15 = 10 TB	<ul style="list-style-type: none"> 14 TB of IBM Spectrum Protect Suite Front End 100 users of IBM Spectrum Protect Plus for Office 365
IBM Spectrum Storage Suite	10 TB Measured based on backend capacity utilized by the vSnap repository	20 TB Measured based on backend capacity utilized by the vSnap repository	<ul style="list-style-type: none"> 30 TB of IBM Spectrum Storage Suite 100 users of IBM Spectrum Protect Plus for Office 365

Example 2

A client wishes to protect persistent volumes in his Kubernetes environment. IBM Spectrum Protect Plus is configured to protect a total of 400 GB (0.4 TB) of persistent volumes in the vSnap repository for recovery purposes. In addition to the persistent volumes, the client also needs to protect 150 VMs, 100 Microsoft Office 365 users, one 200 GB (0.2 TB) Microsoft SQL server database and one 7 TB Oracle database. Each database is running in its own physical server.

- 100 monthly licenses of IBM Spectrum Protect Plus for Microsoft Office 365 for all 100 users
- 150 VMs (represented as 20 TB of capacity in the vSnap repository capacity report in IBM Spectrum Protect Plus)
- The backups for the Microsoft SQL and Oracle databases residing on physical machines are utilizing 10 TB in the vSnap repository
- The backups for the persistent volumes are utilizing 2 TB in the vSnap repository

Licensing	Aggregated size of databases on physical servers and containers	Required entitlements for protected VMs	Required license entitlements
IBM Spectrum Protect Plus (SPP) Standalone	8 TB (0.4 + 0.2 + 7) TB = 7.6 TB	15 packs of 10	<ul style="list-style-type: none"> 15 10-packs of IBM Spectrum Protect Plus 8 TB of IBM Spectrum Protect Plus capacity 100 users of IBM Spectrum Protect Plus for Office 365
IBM Spectrum Protect Suite	8 TB (0.4 + 0.2 + 7) TB = 7.6 TB	150/10 = 15 TB	<ul style="list-style-type: none"> 23 TB of IBM Spectrum Protect Suite

Licensing	Aggregated size of databases on physical servers and containers	Required entitlements for protected VMs	Required license entitlements
			<ul style="list-style-type: none"> 100 users of IBM Spectrum Protect Plus for Office 365
IBM Spectrum Protect Suite -- Front End (FE)	8 TB (0.4 + 0.2 + 7) TB = 7.6 TB	150/15 = 10 TB	<ul style="list-style-type: none"> 18 TB of IBM Spectrum Protect Suite Front End 100 users of IBM Spectrum Protect Plus for Office 365
IBM Spectrum Storage Suite	12 TB (2 + 10) TB = 12 TB Measured based on backend capacity utilized by the vSnap repository.	20 TB Measured based on backend capacity utilized by the vSnap repository.	<ul style="list-style-type: none"> 32 TB of IBM Spectrum Storage Suite 100 users of IBM Spectrum Protect Plus for Office 365

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.

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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.

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Volume orders (IVO)

No

Passport Advantage applies

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

Usage restrictions

Yes

For usage restrictions, see the License Information documents that are listed in this [Terms and conditions](#) section.

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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.

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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.

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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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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.

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Passport Advantage

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For software prices, select **Look up IBM standard hardware and software prices (Price) excluding IBM 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

Program number: 5608-AB8

Feature description	Program number	Feature number
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
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

Feature description	Program number	Feature number
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
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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