

IBM Spectrum Protect Plus

Takács Csaba

Software Defined Storage értékesítési
tanácsadó / SEE

IBM Systems Storage

csaba_takacs@hu.ibm.com

+36208235740



Disclaimer

IBM's statements regarding its plans, directions, and intent are subject to change or withdrawal without notice at IBM's sole discretion. Information regarding potential future products is intended to outline our general product direction and it should not be relied on in making a purchasing decision. The information mentioned regarding potential future products is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. The development, release, and timing of any future features or functionality described for our products remains at our sole discretion.

IBM Spectrum Protect Plus – 10.1.0

IBM Storage & SDI



IBM
Spectrum
Protect Plus

The new data protection offering from IBM

Announcement: November 7, 2017

GA: November 10, 2017

Initial Public Viewings: VMworld US / EMEA 2017

Primary use cases

- Data Protection for virtual machines, applications
- Disaster Recovery
- Data Reuse
 - Test/Dev, DevOps, Reporting, Analytics, etc...

What Is Spectrum Protect Plus?

Simplified Data Recovery and Data Access Solution for Virtual Environments

- Simple and light weight, easy to deploy, configure and manage
- Pre-defined policy based service level
- Secure, self-service (RBAC) administration
- Enterprise proven, scalable
- Leverage your backup data for new data reuse use cases
- Data recovery and reuse automation
- Easily fits your budget



Modern



Easy



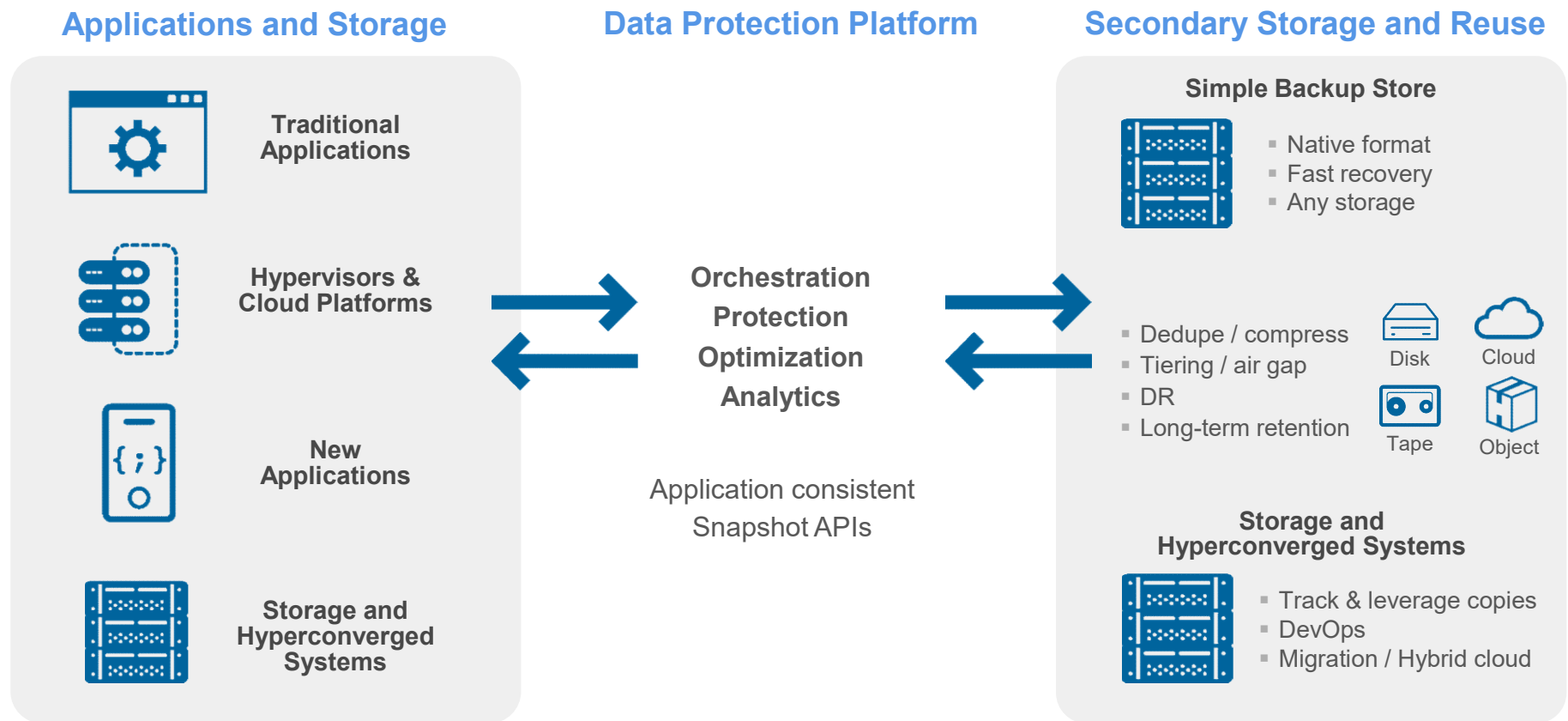
Fast



Low Cost

The Future of Data Protection: Secondary Data Management

IBM Storage & SDI



Components Run Anywhere: On Premises or In Cloud

6 Key Spectrum Protect Plus Attributes

● SLA policy-based data protection

- Gold, Silver, Bronze pre-configured
- Custom policy creation as needed

● ● Instant data recovery or data access

- ● Support for multiple use cases: Test/Dev, DevOps, reporting, analytics, training, etc.
- Roles-based access; user self-service

● Simple to use, anyone can manage

- VM, database or application admin
- Light weight: Installs in less than 15 minutes, configured in under an hour

● ● Extends the capabilities of Spectrum Protect for virtual environments

- ● Stand alone – great for small environments
- ● Integrated with Spectrum Protect for long term data retention

● Global search and restore

- Search across all virtual machine data at once (VMware and Hyper-V)
- Restore from search: files, VMs, VMDKs

● ● Exploits VM and application API's

- ● Creates application consistent or crash consistent data copies
- ● Supporting further data reduction with compression and de-duplication

Policy Driven, SLA-Based Automation

- Select, click and done simplicity
- Select recovery service level and apply to VMs
- SLAs pre-defined or create-your-own
- Unprotected VMs identified in dashboard view
- Set it and forget it

Service Levels



Simple, Secure SLA Based Self-Service Management

- Easily assign functionality based on user roles
- Reduces load on IT staff
- End-users prefer self-service models
- Safe and secure access



Backup Admin



VM Admin



Developer



Help Desk

Global Search and Recover

- Unified, Google-like search across files and objects
- Search across VMware and Hyper-V in a single operation
- Locate files, VMs, datastores
- Easy restore from search



Instant Data and VM Recovery

- Recover rapidly from snapshot copies
- Suitable for all recovery use cases
- Multiple recovery points for all VMs
- No waiting for streaming restores
- Application consistent backup, recovery, cloning

Data Loss Scenarios



Ransomware



Human Error



Hardware Failure



Data Corruption

Long-term Retention Using Spectrum Protect IBM Storage & SDI

- Automated copy transfer to Spectrum Protect*
- Long-term retention / tier to cloud
- Single-step recovery
- Meets legal and regulatory compliance needs
- CBT / RCT data movement

Retention Options



Disk



Tape



Cloud



Object Store

* Need to be running Spectrum Protect 8.1 or better

Multi-Use Data Access

- More than just recovery
operational recovery
- Derive business value from
your protected data
- Spin up VMs and VMDKs for
easy, secure data access for
multiple use cases

Data Access Use Cases



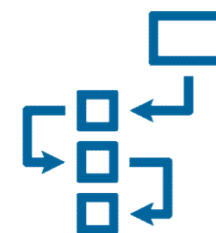
Test/Dev



Reporting



Analytics



DevOps

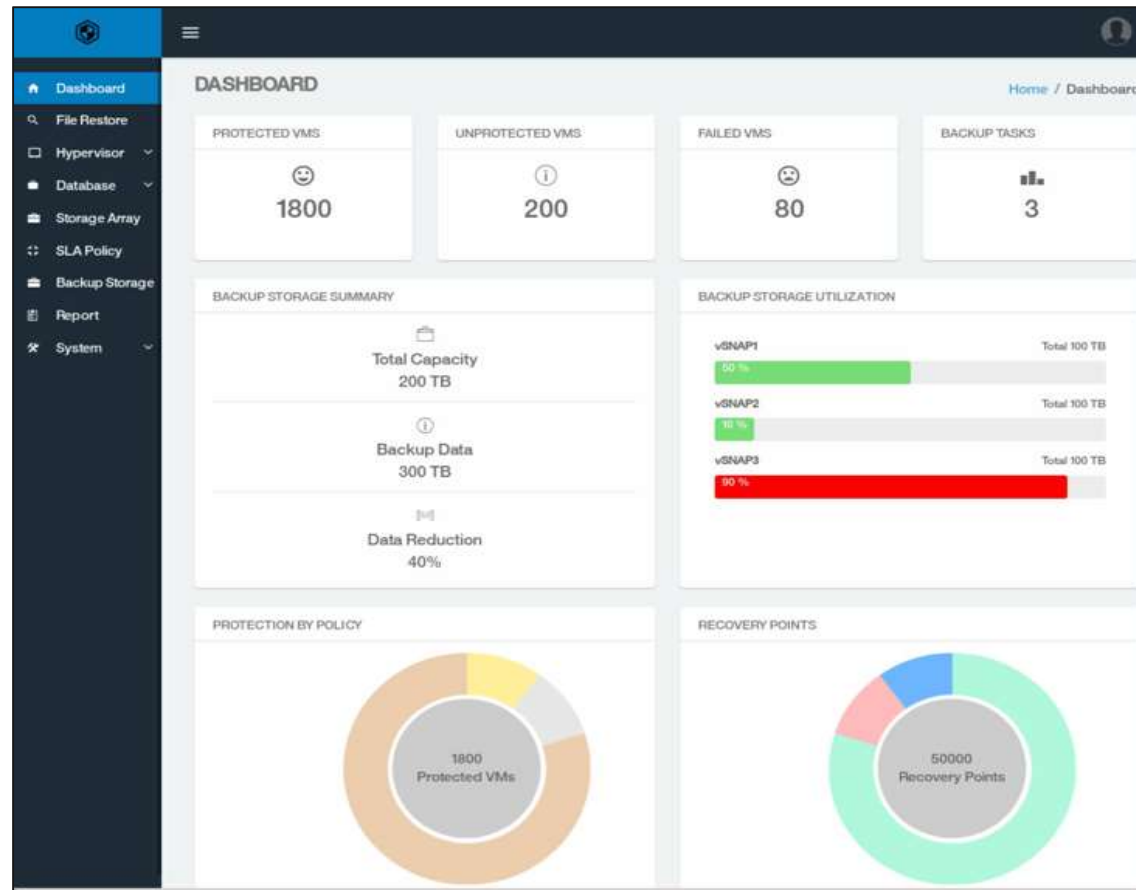
Dashboard and Reporting

IBM Storage & SDI

At-a-glance status

Drill-down data on:

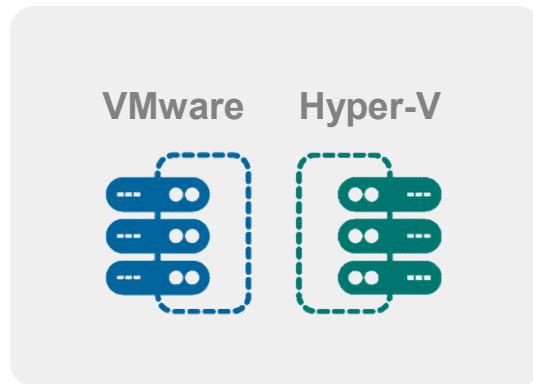
- Protection status
- SLA compliance
- Storage utilization
- VM sprawl



Spectrum Protect Plus Architecture

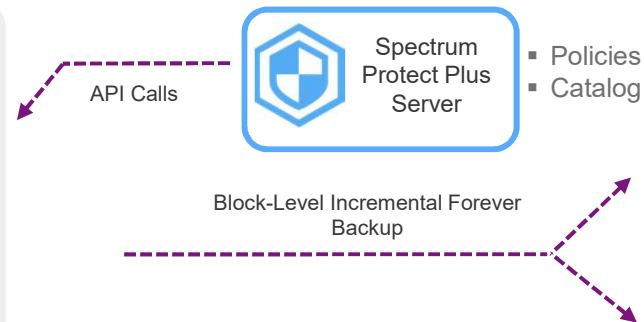
IBM Storage & SDI

Applications and Storage



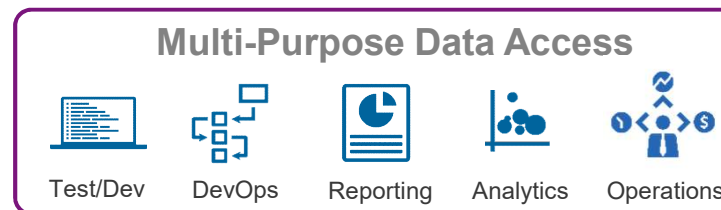
Data Protection Platform

- Simple deployment as a virtual machine image
- Integrated storage management

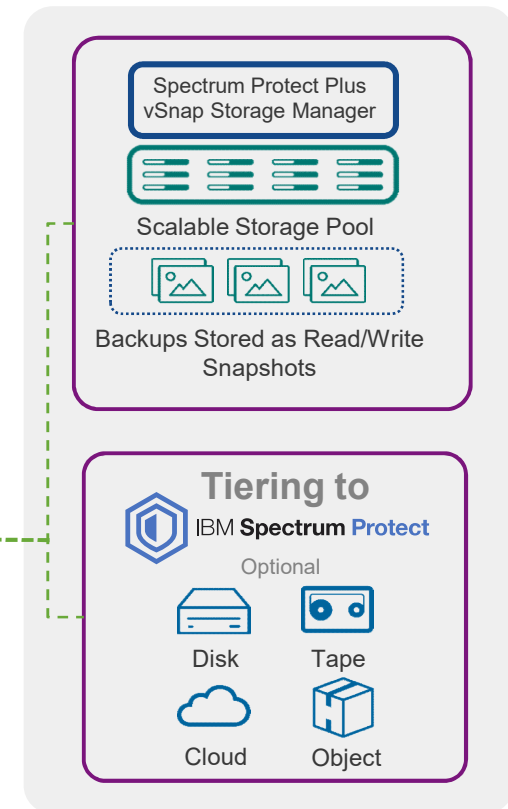


- Policies
- Catalog

Recovery



Secondary Storage and Reuse



Licensing / Ordering / Roadmap / Existing Clients



Spectrum Protect Plus – 10.1.0

Pricing & Licensing Breakdown

- As a stand alone software offering
 - 90 Day Free Trial
 - Licensed per protected Virtual Machine (Managed Virtual Server)
 - Minimum purchase of one 10-pack
 - Extremely competitively priced
- IBM Spectrum Protect Plus will be licensed in PPA “per VM” only at GA (target November)
- When running Spectrum Protect Plus stand alone or Suite – if offloading to Spectrum Protect, Protect entitlement is needed



IBM Spectrum Protect Plus Licensing and Pricing

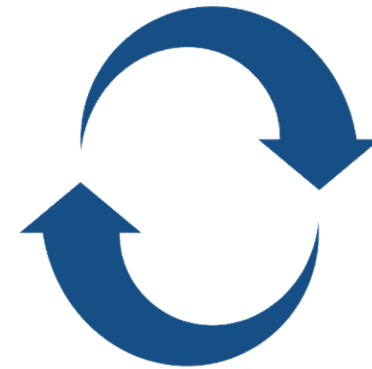
- IBM Spectrum Protect Plus will be included in the Protect and Storage Suites as part of the Spectrum Protect 8.1.4 RFA
 - Protect Suite Front-End, FE Entry, Back-End, BE Entry, Storage Suite
- Starting at 8.1.4 announcement, customers that are entitled to the Suites will be entitled to use Spectrum Protect Plus
 - Note: it is not required to be running 8.1.4 to be able to leverage this
- The Protect and Storage Suites are capacity-based, but Spectrum Protect Plus is per-VM based
- To determine entitlement for protecting VMs with Spectrum Protect Plus, a simple ratio of VMs to TB will be used - details are covered on the following pages
- Examples in deck do not consider band level discounting

Spectrum Protect Plus 10.1.0 - Suite Packaging / Bundling, Licensing, and Pricing

	Trial Version	Standalone	Spectrum Protect Suite Front End	Spectrum Protect Suite Back End	Spectrum Storage Suite	Spectrum Protect Suite Entry Front End	Spectrum Protect Suite Entry Back End
Licensi ng	90-day free unlimited usage	per 10 VM	1 TB protects 15 VMs	1 TB protects 10 VMs	1 TB protects 10 VMs	1 TB protects 15 VMs	1 TB protects 10 VMs

Moving from Protect VE to Protect Plus

- Existing Protect for VE PVU customers may purchase Protect Plus at preapproved 75% discount
- Sellers will be restricted to sell VE to new customers
- Existing customer can buy more capacity



Compatibility Matrix for 10.1.0

Spectrum Protect Plus 10.1.0 supports the protection of:

- vSphere 5.5 and later
- Microsoft Hyper-V Server 2016

Spectrum Protect Plus is a 1.4GB OVA file or .EXE file

- Spectrum Protect Plus server must be installed on vSphere 5.5, 6.0 or 6.5
- Minimum recommended virtual appliance configuration should be a 64-bit dual core machine with 16GB of memory
- The appliance has 3 virtual disks for a total of 400GB of capacity
 - 50GB for the OS which includes 16GB for swap and 256MB for boot
 - 100GB for configuration data related jobs, events and logs
 - 250GB for inventory data
- Spectrum Protect Plus vSnap repository supports block storage only
- Supported Browsers: Firefox 55.0.3, Chrome 60.0.3112, Edge 40.15063

Spectrum Protect Plus integrates with 8.1.0 or later of Spectrum Protect

(for more information, please see the [Spectrum Protect User Guide](#))

Spectrum Protect Plus Sizing Notes

- Need to identify the amount of capacity the client wants to protect
- Need to identify the year-over-year data growth
- Also need to identify the change rate of the data
- Need to identify the ~ number of VMs
- The default SLA policies suggest
 - 1/3 of the data will be in the **Gold** policy
 - Snaps are 1/ 4 hours retained for 7 days
 - 1/3 of the data will be in the **Silver** policy
 - Snaps are 1/day retained for 30 days
 - 1/3 of the data will be in the **Bronze** policy
 - Snaps are 1/day retained for 7 days
- As a rule of thumb:
 - Plan 2x the capacity being protected
 - Compression is on by default
 - It can be turned off
 - Dedupe can be enabled
 - Requires more memory
 - Plan on 1GB of memory for every TB of data being protected

Recorded demos for Spectrum Protect Plus

- ☐ **IBM Spectrum Protect Plus Global File Search and Recover Preview**
 - <https://youtu.be/UuH7ABJxJek>
- ☐ **IBM Spectrum Protect Plus Dashboard Preview**
 - <https://youtu.be/P9JGzJGVti0>
- ☐ **IBM Spectrum Protect Plus End to End Preview**
 - <https://youtu.be/Zs6OhMLmu2Y>

Thank You.
IBM Storage & SDI

