

IBM Data Protection Update & Outlook



Spectrum Protect & Protect Plus New Features / Highlights

Spectrum Protect

- *Version 8.1.9*
- *Version 8.1.10*

Spectrum Protect Plus

- *Version 10.1.5*
- *Version 10.1.6*

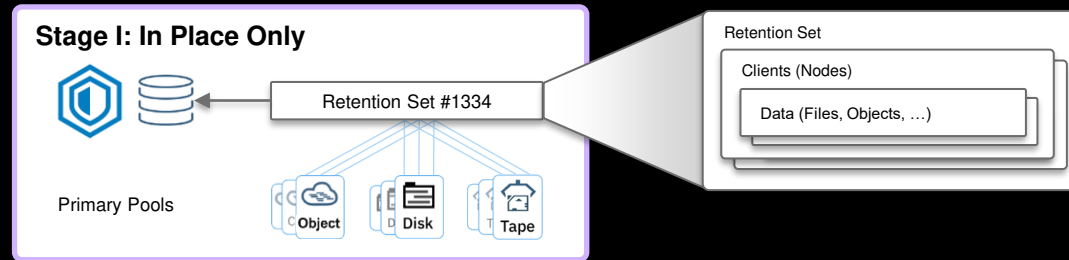
Outlook

Spectrum Protect

Spectrum Protect

Retention Set Hold (8.1.9) & Retention Sets to Tape (8.1.10)

Retention Sets (8.1.7): Single ingest – creates a virtual point in time snapshot from the active backups, for 1 day to 82 years



Retention Set Hold (8.1.9)

Prevent retention sets from expiring or being deleted

Retention Sets to Tape (8.1.10)

Functionality to copy retention set contents to tape

Spectrum Protect Server DB backup to Object Storage (8.1.10)

Backup Spectrum Protect Db2 meta data catalogue to S3 and Azure cloud

Seamlessly Restore Spectrum Protect Db2 meta data catalog from cloud



Spectrum Protect Plus

Spectrum Protect Plus Native Container Support (10.1.5 & 10.1.6)

The image shows a screenshot of the IBM Spectrum Protect Plus web interface. The main window displays the 'Snapshot restore - Kubernetes' configuration page, which includes a 'Select source' section with a table of clusters. A 'Policy Overview' inset window is also visible, showing a 'Protection Summary' with a donut chart indicating that 26% of resources are protected (527 of 2089). The summary includes categories like Virtualized Systems (0% protected), Containers persistent volumes (26% protected), and File Systems (0% protected). The cluster table lists various clusters with their names and versions.

| Name | Version |
|--------------|---------|
| cluster08 | v1.26.4 |
| local | v1.23.5 |
| LU_885 | v1.26.4 |
| server022v12 | v1.26.8 |
| server03 | v1.26.4 |

B/R for **PVCs, Namespaces & Labels**

Integration into **SPP UI & Reports**

Uses **CSI snapshot & FULL copy to vSnap**

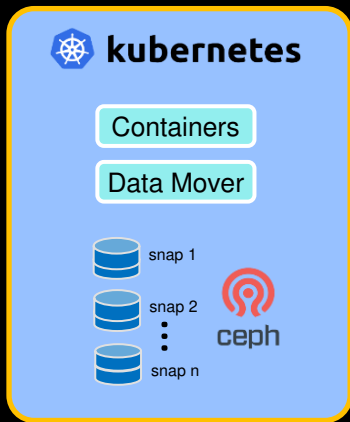
Flexible **SLA** definition

Replication & Copy to SP incl. tape

No application awareness → future release

B/R **granularities**: *PVC, PVCs in Namespace, PVCs with same label*

Needs to install *baas_install.sh* in K8s



Spectrum Protect Plus

Office 365: Exchange Online & OneDrive (10.1.5)

Incremental Forever backup of O365

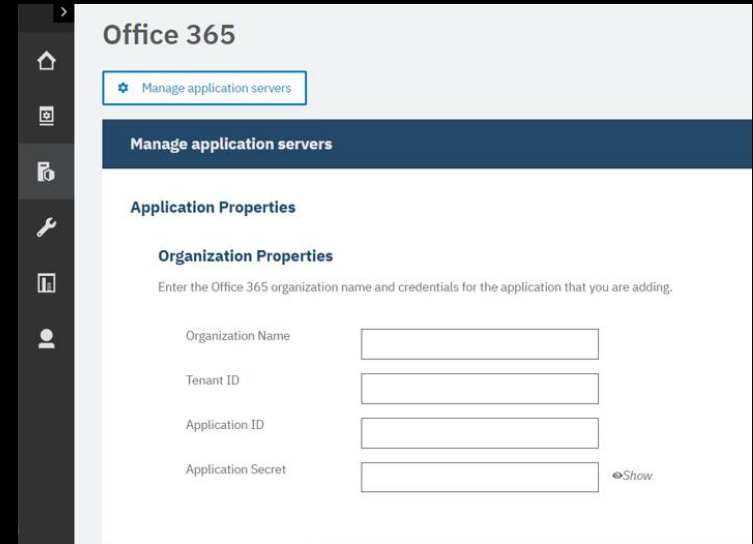
- Registration via Azure AD & O365 Tenant
- Stored on local storage in vSnaps
- Controlled via SLAs

Scheduled and on-demand B/R for elements

- Mailboxes, Contacts, Calendar, OneDrive

Restore

- Specific version or given point in time
- To the original account or another account
- No item level restore → future function



Office 365

Manage application servers

Manage application servers

Application Properties

Organization Properties

Enter the Office 365 organization name and credentials for the application that you are adding.

Organization Name

Tenant ID

Application ID

Application Secret [Show](#)



Install: https://youtu.be/G_cluNuSnhg

Backup / Restore: https://youtu.be/R5uNMZ8ql_E

Spectrum Protect Plus Windows File B/R (10.1.6)

Protect file systems, directories, and files on physical and virtual Windows servers

Automatically discovers file systems

Provides incremental forever backup & item level recovery

Microsoft Windows

[Manage file servers](#) [Create job](#)

Windows Backup

Search for...

[Servers](#) / winphys1.ibm.edu Last Inventory at May 28, 2020 11:34:20 PM

| <input type="checkbox"/> | Name | Path | Type | Used Size | Total Size | SLA Policy |
|--------------------------|-------------|------|------|-----------|------------|------------|
| <input type="checkbox"/> | Local Drive | C:\ | NTFS | 16.7 GB | 29.4 GB | |
| <input type="checkbox"/> | winphys1_e | E:\ | NTFS | 83.9 MB | 5 GB | |

Spectrum Protect Plus Amazon AWS (10.1.5 & 10.1.6)

Protect **AWS EC2 VMs** leveraging AWS snapshots

- **Unified, seamless management** like other workloads
- Snapshots **remain on AWS** in S3 storage

Support of Amazon **Glacier**

- Archive to **Glacier Deep Archive** buckets

Support of **VMware Cloud (VMC)** in **AWS**

- Same behavior as on-prem vSphere
- Introduction of VMware **Streaming Restores**:
New, optimized VMware restore method

The screenshot displays the Spectrum Protect Plus interface for managing Amazon EC2 instances. The top panel shows the 'Amazon EC2' section with a 'Manage Accounts' table. Below this, the 'Job options' section is visible, including 'Advanced Setup' and a list of restore options. The 'Enable streaming (VADP) restore' option is highlighted with a red box.

| Name | Provider |
|-------|----------|
| bjec2 | aws |

Job options

Advanced Setup

- Select data sources
 - Source type
 - Select source
 - Source snapshot
- Select destination
 - Set destination

Power on after recovery

Overwrite virtual machine

Continue with the restore operation even if it fails

Run cleanup immediately on job failure

Allow overwriting of data and cleanup of pending older s

Restore VM tags

Enable streaming (VADP) restore

Append suffix to virtual machine name.

Spectrum protect Plus vSnap Enhancements (10.1.5 & 10.1.6)

Security

- OS security increased
- New default password for serveradmin

ZFS Upgrade

- Improved dedup performance

Recover/Rebuild vSnap

- Rebuild primary vSnap out of replicated secondary vSnap
- Latest replicated snapshot is copied back
- Resume incremental backup

Advanced Options in UI

- Various stream limits, rate limits, retrieval tier for AWS
- Multiple NICs

The screenshot shows the 'Advanced Options' configuration page in the Spectrum Protect Plus UI. The page has a navigation bar with tabs for 'Options', 'Disks', 'Partners', 'Active Directory', and 'Advanced Options'. The 'Advanced Options' tab is selected. Below the navigation bar, the page title is 'Set Advanced Options'. There are five configuration items, each with a text label and a corresponding input field:

| Configuration Item | Value |
|---|-----------|
| Concurrent stream limit for copy to archive object storage | 5 |
| Concurrent stream limit for copy to standard object storage | 5 |
| Concurrent stream limit for replication | 5 |
| Rate limit per stream in bytes/second for replication and copy to standard object storage | 536870912 |
| Retrieval tier for restore from AWS archive object storage (Bulk, Standard, or Expedited) | Bulk |