IBM Data Protection
Update & Outlook

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Spectrum Protect & Protect Plus
New Features / Highlights

Spectrum Protect

– *Version 8.1.9*

– *Version 8.1.10*

Spectrum Protect Plus

– *Version 10.1.5*
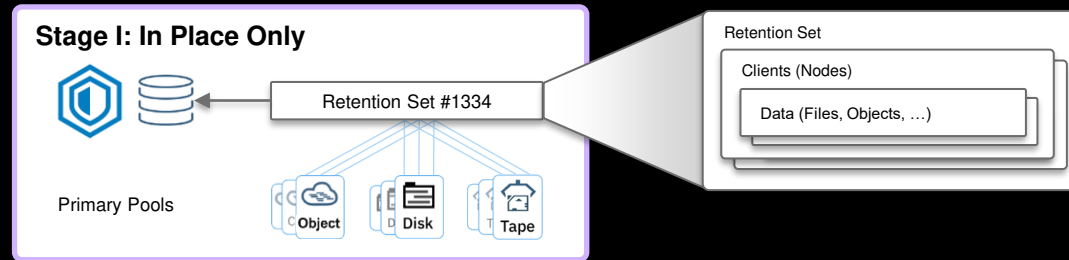
– *Version 10.1.6*

Outlook

Spectrum Protect

IBM

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)	Retention Sets to Tape (8.1.10)
Prevent retention sets from expiring or being deleted	Functionality to copy retention set contents to tape

YouTube https://youtu.be/S7Fqay6uKpo

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

Database

Storage (Data)

Azure cloud https://youtu.be/hhh9pad7FQ0
S3 cloud https://youtu.be/2LLwc-S7tyQ
OC https://youtu.be/MH8wzkth-xo

Spectrum Protect Plus

Spectrum Protect Plus
Native Container Support (10.1.5 & 10.1.6)

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

Integration into SPP **UI** & **Reports**

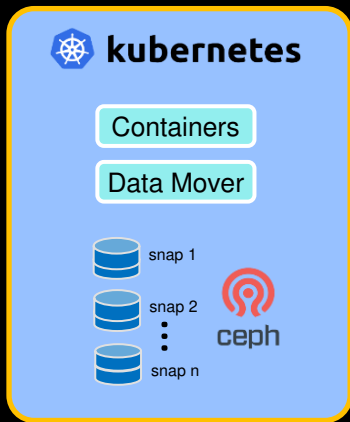Uses **CSI snapshot** & FULL copy to **vSnap**

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
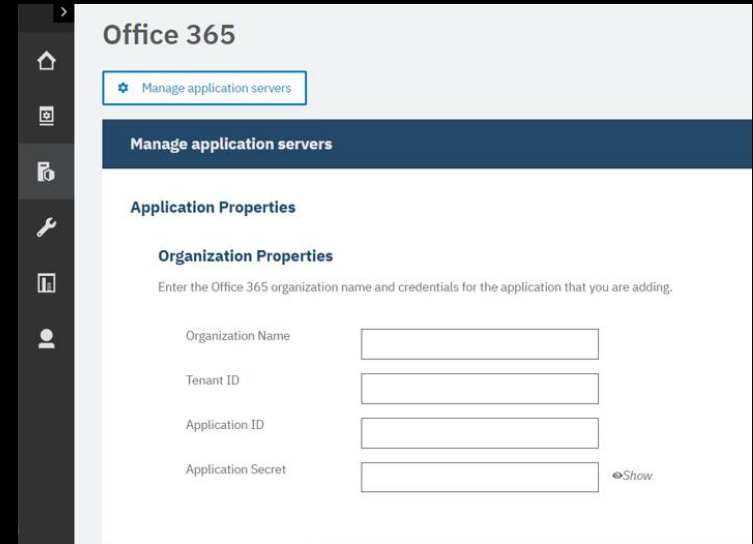# Office 365: Exchange Online & OneDrive (10.1.5)

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

Install: https://youtu.be/G_cluNuSnhg
Backup / Restore: https://youtu.be/R5uNMZ8qI_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

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

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

Options	Disks	Partners	Active Directory	Advanced Options

Set Advanced Options

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