

Actifio OnVault 8.0

A Scalable Incremental-Forever Backup & Instant Recovery Solution Using Object Storage

Actifio OnVault radically improves the TCO and efficiency of object storage as compared to traditional backup products. OnVault relies on powerful incremental forever backup technology to minimize storage footprint while delivering instant read-write enabled recoveries from any point in time without waiting for lengthy copy operations.

“OnVault now offers a unique, incremental forever update method that makes the use of object storage for more frequent data access feasible, meaning that object storage data can be practical for analytics and other primary storage use cases.”

CRITICAL CAPABILITIES FOR DATA CENTER BACKUP AND RECOVERY SOLUTIONS, GARTNER, INC, JULY 2017

SUPPORTED CLOUD AND ON-PREMISES OBJECT STORAGE PLATFORMS

CLOUD

- Amazon S3 and S3 IAS
- Microsoft Azure Blob
- Google Nearline and Coldline
- Wasabi Technologies

ON-PREMISES

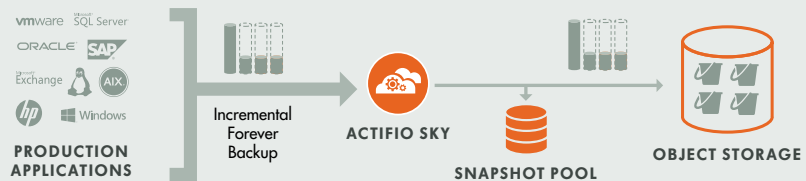
- Dell EMC ECS
- Hitachi Content Platform
- IBM Cloud Object Storage (Cleversafe)
- Scality

KEY FEATURES

1. EFFICIENT INCREMENTAL FOREVER BACKUP & REPLICATION:

VMware: VMs can be backed up directly to object storage in an incremental forever manner, reducing the backup window and adding consistency of job success, even in large scale environments.

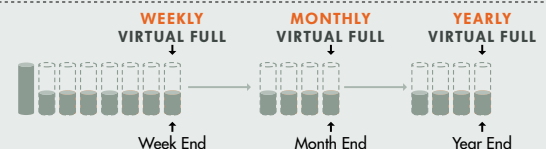
Physical, Databases and NAS: Data can be protected on any storage platform and replicated in an incremental forever manner to object storage.



2. POINT-IN-TIME SYNTHETIC VIRTUAL FULL: Each incremental backup is synthesized into a virtual full backup without any data movement. For added efficiency and security, all data is compressed and encrypted.

3. LONG TERM DATA RETENTION:

Flexible retention SLAs can be applied so that the point-in-time virtual full images can be retained for days, weeks, months, years or decades.



4. LOW RTO INSTANT RECOVERY:

Rewind and recover backup images from any point in time by instantly mounting data directly from object storage to an on-demand virtual machine. Users also can restore data from object to block storage.



5. RE-WRITABLE VIRTUAL COPIES: Every point-in-time backup image can be instantly mounted as a read-write enabled volume. All reads come from object storage and writes are cached within Actifio Sky without modifying the original immutable backup.

6. MULTIPLE VIRTUAL COPIES: Users can provision multiple virtual copies i.e. multiple mounts of any point-in-time backup image for patch testing, data integrity tests, security vulnerability tests etc.

7. NO VENDOR LOCK-IN: Backups are stored in native application format and instant mounts can be performed without an Actifio Sky appliance thus avoiding vendor lock-in

8. GLOBAL CATALOG SEARCH & RESTORE: Actifio global catalog enables users to find protected files and folders via an intuitive search interface and restore them directly from object storage.

9. FULL MACHINE RECOVERY: Images of Windows & Linux physical machines can be instantly mounted from object storage and recovered as VMs. Similarly VMware VMs can be instantly mounted from object storage to an on-demand AWS EC2 instance and immediately brought online.

10. TUNABLE OBJECT SIZE: Object sizes can be tuned from 64 KB to larger 1 MB sizes. Smaller size gives better instant mount performance while larger sizes reduce API costs from public cloud vendors by reducing the number of I/O operations required.