

Actifio OnVault

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
- IBM Cloud Object Storage (COS)
- Alibaba Cloud

ON-PREMISES

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

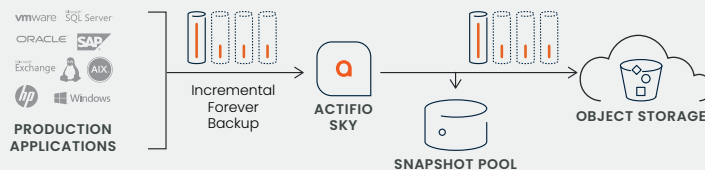
For a complete list, [click here](#).

KEY FEATURES

1. EFFICIENT INCREMENTAL FOREVER BACKUP & REPLICATION:

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

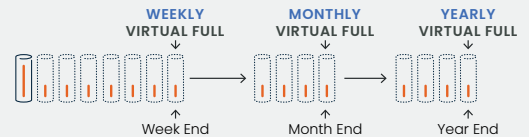
Physical, Databases and NAS: Data can be protected on any storage platform and replicated in an incremental forever manner.



2. POINT-IN-TIME VIRTUAL FULL: Each incremental backup is effectively a virtual full backup, which enables point-in-time backup, recovery and cloning. For added efficiency and security, 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 test machine.



5. ONE CLICK CLOUD DR ORCHESTRATION: Recover thousands of on-premises VMs, physical servers, and cloud VMs to AWS or GCP with simple one-click DR orchestration. Use automation to reduce operational burden, complexity, Recovery Time Objective (RTO) and infrastructure costs.

6. INTELLIGENT CACHING: Achieve SSD-like performance from object storage with intelligent caching. All reads and writes from object storage are cached within Actifio without modifying the original immutable backup. Users can choose how much they want to optimize for performance vs. storage consumption.

7. 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, analytics, etc.

8. 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.

9. 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.

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.