



Nutanix Objects and Commvault Always-on Data Access

Enterprises around the world are struggling with exponential data growth. Ever deepening data oceans lead to unprecedented management challenges--such as proliferating data silos, increased risk, and missed backup SLAs--as well as unprecedented opportunities for insights on customer behaviors and preferences, both real-time and historical.

Commvault, a perennial leader in enterprise backup and recovery, is helping companies master, protect, and leverage their data by integrating with and validating the next-generation scale-out storage solution: Nutanix Objects.

STORAGE FOR THE DIGITAL DISRUPTION ERA

For many years, tape has been the medium of choice for backup due to its low cost, long retention, and portability. But tape also has significant drawbacks, including slow access time (hours or days long delays when retrieving vital data), limited scalability, and risk of data loss due to degradation. While there are still some use cases for tape, such as air gap and off-site cloud storage, most use cases now require the real-time recovery, copy data re-use, and reduced media management costs that cloud and object storage offer. File storage works well for home directories and departmental shares, but it is often not the right choice for use cases such as backup and archive where petabytes of data need to be stored long term, often in an immutable fashion, and infrequently accessed.

“Commvault’s broad integration with key infrastructure partners like Nutanix gives us the agility we need to achieve the business outcomes we want.”

– Jon Walton, CIO, County of San Mateo, Calif.

Object storage has emerged as a flexible and robust storage alternative. Using a flat, single namespace, Nutanix Objects offers boundless scale and simple management. Nutanix Objects provides a highly reliable, cost effective, and performant way to backup, restore, or access large volumes of data. Applications can instantly locate and use object store data, from anywhere, via API-based commands over HTTP/HTTPS, satisfying the requirements of analysis and compliance.

SOFTWARE-DEFINED INFRASTRUCTURE MEETS SOFTWARE-DEFINED BACKUP AND RECOVERY

As software-defined solutions, the Nutanix Enterprise Cloud and the Commvault portfolio eliminate complex, inefficient data silos and radically streamline operations. Whether your data is hot, cold, or “dark,” Nutanix Objects covers the full range of essential data management processes, from retrieval and protection to access and analysis. Nutanix and Commvault also give you the flexibility to run on the hardware and cloud that best suit your data, application, and business needs.

THE NUTANIX OBJECTS AND COMMVAULT SOLUTION OFFERS:

Simple management

- Non-disruptive, limitless scale-out with no performance degradation
- 30 minute deployment; 1-click upgrades
- An intuitive and elegant user interface for easy resource monitoring
- Analytics dashboard for usage, performance, and data insights
- Granular data protection for policies customized to specific data, application, and policy requirements
- Single namespace for as a centralised backup target for multiple locations

Easy, fast, on-demand data retrieval

- Meet and exceed RTO and RPO objectives
- Significantly reduce backup windows
- Generate business intelligence with quick and easy data access

Rock solid business continuity and disaster recovery

- Your data is always available and ready to restore in single click
- Automatically distribute data copies in multiple sites and regions around the world for unmatched resiliency
- Erasure coding for high availability along with data reduction benefits

Limitless scale and unrivaled performance

- Infinitely scalable storage
- Linearly scalable data ingress and egress throughput
- Highly performant and network efficient restores using advanced S3 capabilities like range reads
- Constant restore performance, whether from a full or incremental snapshot

Industry-standard security

- WORM locks down backup data in non-erasable and non-modifiable state
- Access control using IAM policies and granular permission sets
- Data encryption in transit and at rest
- Audit trails for all data and management events

Efficient data lifecycle management

- Policy-based data expiration
- Policy-based tiering to public cloud, such as AWS Glacier

Lower TCO and Higher ROI

- Radically simplified operations does away with reliance on specialized skill sets
- Accelerate innovation and time to value with real-time access to data for analysis
- End-to-end deduplication saves time, space, and money
- Erasure-coded data for optimal protection with minimal storage overhead
- Eliminate cloud-based retrieval fees; access your data as often as you need
- Significantly cheaper than traditional file or local backup systems

Commvault with Nutanix Objects provides a fast, simple, reliable, and highly scalable solution that transforms backup from a costly, time consuming liability, to an engine of innovation.



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