

IBM Cloud Object Storage for data protection with Commvault software



Help safeguard your data with an integrated IBM Cloud Object Storage and Commvault backup solution

Benefits

- Helps significantly lower total cost of ownership for data protection by reducing capital and operating expenditures
 - Keep backup data more secure, resilient and available across multiple locations with industry-leading private, public or hybrid cloud object storage
 - Gain greater insights into your data by mining online backup copies
 - Future-proof your data for capacity growth and storage hardware advancements with virtually unlimited scalability and hardware flexibility
 - Combine backup data with other file and object storage workloads to consolidate storage capacity
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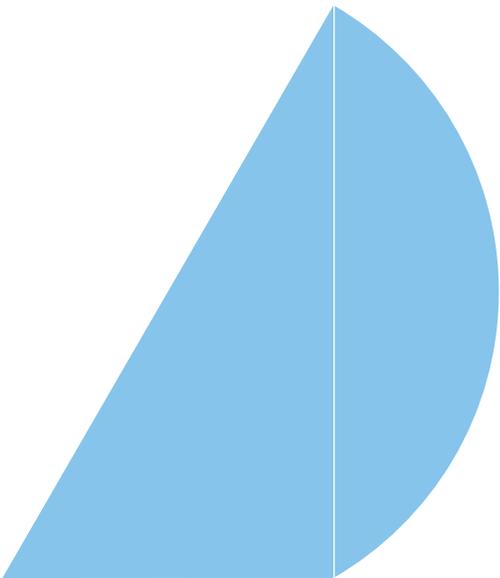
Meeting your IT challenges more cost-effectively

In most organizations, storage capacity requirements and data protection costs are steadily rising, squeezing already-strained IT budgets.

To help address these challenges, IBM® Cloud Object Storage for data protection provides a solution tested and verified by the IBM Cloud Object Storage Solutions engineering team that can be nondisruptively deployed in Commvault Systems, Inc. backup software environments.

IBM Cloud Object Storage for data protection helps existing Commvault backup software clients:

- Reduce capital and operating expenditures on data protection while providing a more scalable, easier-to-manage storage solution.
- Transition from tape or virtual tape to a low-cost disk target in industry-leading private, public or hybrid cloud object storage deployment models.
- Seamlessly and flexibly scale in a multisite geodispersed configuration designed for always-on availability and built-in security with all-or-nothing transform (AONT) encryption. Unlike most disk-based backup solutions, this IBM solution does not require users to remove and replace an existing lower-capacity backup hardware frame with a new, higher-capacity hardware frame or replicate backup data to distributed site(s) for availability.
- Access saved data more quickly than with tape storage solutions to better manage regulatory, legal and business needs.
- Deploy in private, public or hybrid cloud environments.



Increasing flexibility with IBM Cloud Object Storage for data protection

This highly cost-effective, industry-leading solution combines Commvault data protection software with IBM Cloud Object Storage to provide a disk target for data backup and long-term retention designed for always-on reliability and built-in security with no external key management required, even in the face of a regional security breach. This geo-dispersed IBM solution can improve the availability of backup and archive data while lowering acquisition and operational costs of data protection. This powerful combination also helps you scale your data protection solution as needed for the changing demands of the future.

Commvault

Commvault technology can make cloud backup and recovery a natural extension of your IT infrastructure management. It helps you manage IBM Cloud Object Storage on the IBM public cloud resources exactly like on-premises platforms, applying the same policies. The underlying technologies powering Commvault backup and recovery applications — security, encryption, deduplication and more — are extended to the cloud, reducing backup costs and empowering all levels of IT.

IBM Cloud Object Storage

IBM Cloud Object Storage is designed to provide the flexibility, scalability and simplicity you need to store, manage and access rapidly growing unstructured data on-premises, in the cloud or in a hybrid deployment model. Highly scalable capacity and flexible deployment options help lower storage costs while improving management and efficiency. By supporting standard x86 hardware for on-premises and cloud deployments with RESTful application programming interfaces (APIs) such as Amazon Simple Storage Service (Amazon S3) and SwiftStack Inc. OpenStack Swift, the solution provides the flexibility you need to handle growing data protection storage capacity requirements without disrupting business processes.

Deployment options

By using IBM Cloud Object Storage you can store primary, secondary or long-term copies of backup data in private, public or hybrid cloud deployments without adding new backup capacity at the existing copy site (see Figure 1). Shifting new backup capacity requirements to IBM Cloud Object Storage helps reduce capital and operating costs while backing up the same amount of data. Over time, you may choose to retire more expensive backup hardware such as virtual tape libraries from your data center by transferring all data to IBM Cloud Object Storage.

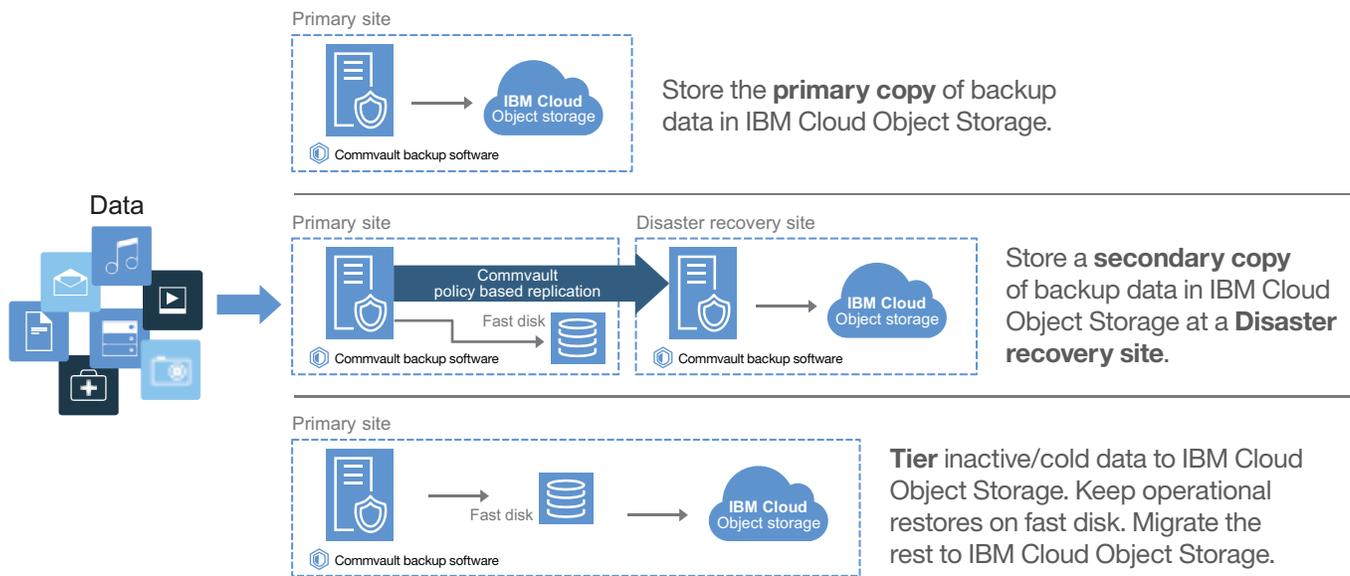


Figure 1. IBM Cloud Object Storage can be used for storing primary, secondary or long-term copies of backup data without disrupting existing processes.

Configuration options for IBM Cloud Object Storage for data protection with Commvault Simpana software:

1. Use Commvault Cloud Connector to back up data to IBM Cloud Object Storage in private, public or hybrid cloud deployments: Helps protect data by writing directly to IBM Cloud Object Storage; no translation, gateway, or hardware deduplication devices needed
2. Use Commvault Cloud Connector and MediaAgent technology in the IBM Cloud to back up data to IBM Cloud Object Storage in private, public or hybrid cloud deployments, and provide operational recovery of primary site applications from IBM Cloud Object Storage in case of primary site disaster: Helps protect data by retaining a local copy and replicating the backup data (in full, or only selective portions of that data) into IBM Cloud Object Storage
3. Tier inactive or cold data to IBM Cloud Object Storage in private, public or hybrid cloud deployments.

Note: In above configuration options you can streamline data backup with the use of Commvault Simpana OnePass software to copy your backup and archive data, based on specified criteria, from backup agent directly to IBM Cloud Object Storage.

Industry recognition for IBM Cloud Object Storage

IBM Cloud Object Storage is built on technology from object storage leader Cleversafe®, which was acquired by IBM in 2015. Some of the world's largest repositories rely on IBM Cloud Object Storage.

Industry recognition:

- Gartner, Inc. awarded IBM Cleversafe dsNet (now IBM Cloud Object Storage) the highest scores in the Analytics, Archiving and Cloud Storage use cases in its March 2016 Object Storage Critical Capabilities report.¹
- Forrester Research, Inc. rated Cleversafe storage solutions as 72 percent less expensive than the equivalent Redundant Array of Independent Disks (RAID) solutions.²

Take the next step

To learn more about IBM Cloud Object Storage and sign up for a cloud public services trial, visit ibm.com/cloud-computing/products/storage/object-storage/cloud.

For more information on Commvault, visit <http://www.commvault.com>

For more on Commvault cloud data management visit <http://www.commvault.com/solutions/by-topic/cloud-data-management>

Endnotes:

1. Gartner, Inc. *Critical Capabilities for Object Storage 2016*. ID G00271719. March 31, 2016. www.ibm.com/marketing/iwm/dre/signup?source=mrs-form-8563&S_PKG=ov51769
2. *The Total Economic Impact™ of Cleversafe, an IBM Company: Cost Savings and Business Benefits Enabled by Cleversafe Object Storage*. A commissioned study conducted by Forrester Consulting on behalf of Cleversafe. March 2015. www.ibm.com/common/ssi/cgi-bin/ssialias?htmlfid=KUL12373USEN



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