



Benefits

- Help 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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IBM Cloud Object Storage for data protection with Veritas NetBackup

Help safeguard your data with an integrated IBM Cloud Object Storage and Veritas NetBackup solution

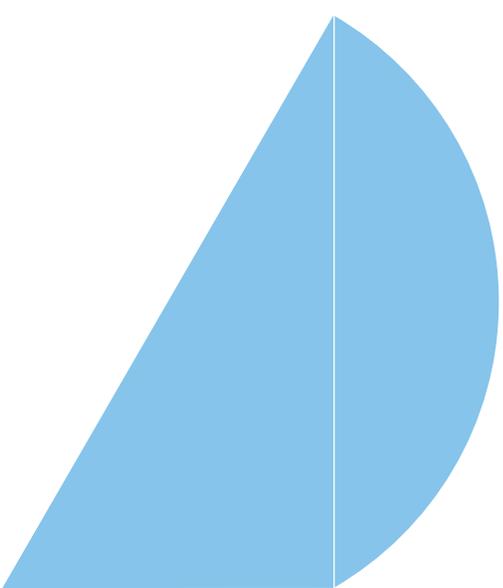
Meeting your IT challenges more cost-effectively

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 Veritas NetBackup environments.

IBM Cloud Object Storage for data protection helps existing Veritas NetBackup 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, geo-dispersed 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 sites 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 Veritas NetBackup 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 solution can improve the availability of backup and archive data while lowering the acquisition and operational costs of data protection. This powerful combination helps you scale your data protection solution as needed for the changing demands of the future.

Veritas NetBackup software

The Veritas NetBackup application simplifies data protection in physical, virtual, software-defined or cloud environments. The solution lets organizations choose the right software for managing and protecting data while simplifying backup administration, improving efficiency and delivering scalable capacity.

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. Open Stack 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.

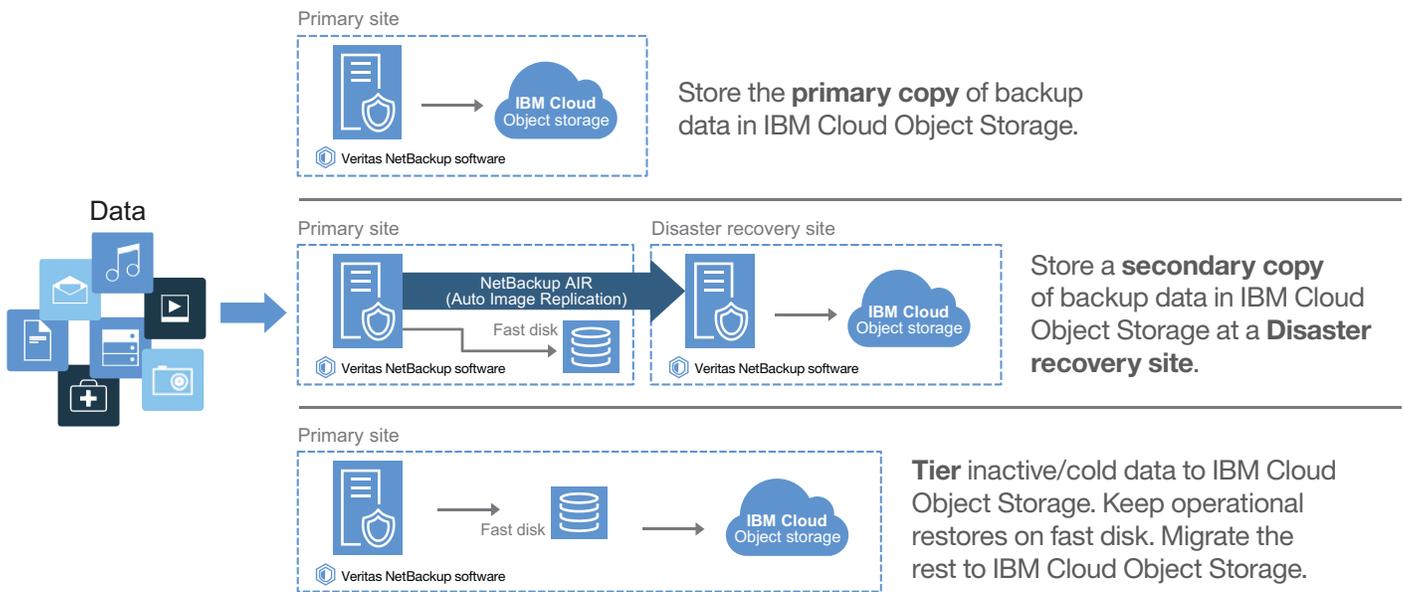


Figure 1. IBM Cloud Object Storage can be utilized for storing primary, secondary or long-term copies of backup data without disrupting existing processes.

Configuration options for IBM Cloud Object Storage for data protection with Veritas NetBackup software:

1. Use the NetBackup Cloud Connector function to back up directly to IBM Cloud Object Storage.
2. Use the NetBackup master server in the IBM Cloud and the Veritas Auto Image Replication (AIR) application to copy your backup images to IBM Cloud Object Storage as a disaster recovery (DR) alternative.
3. Tier inactive or cold data to IBM Cloud Object Storage.

NOTE: In above configuration options you can use a cloud gateway device such as NetApp Inc. AltaVault™, the StorReduce Inc. deduplication engine or OpenDedupe to back up to IBM Cloud Object Storage with WAN efficiencies and deduplication.

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 Veritas NetBackup, visit www.veritas.com/product/backup-and-recovery/netbackup-8.

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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Actual available storage capacity may be reported for both uncompressed and compressed data and will vary and may be less than stated.



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