



---

## Benefits

- Help significantly decrease total cost of ownership for data protection by reducing capital and operating expenditures.
  - Help keep backup data secure, resilient and available across multiple geographies with industry-leading private, public or hybrid cloud object storage.
  - Gain greater insights into your data by mining online backup copies.
  - Deliver virtually unlimited scalability and hardware flexibility to accommodate future data capacity growth and storage hardware advancements.
  - Combine backup data with other file and object storage workloads to consolidate storage capacity.
- 

# IBM Cloud Object Storage for Data Protection

*Safeguard your data with an integrated IBM Spectrum Protect and IBM Cloud Object Storage backup solution*

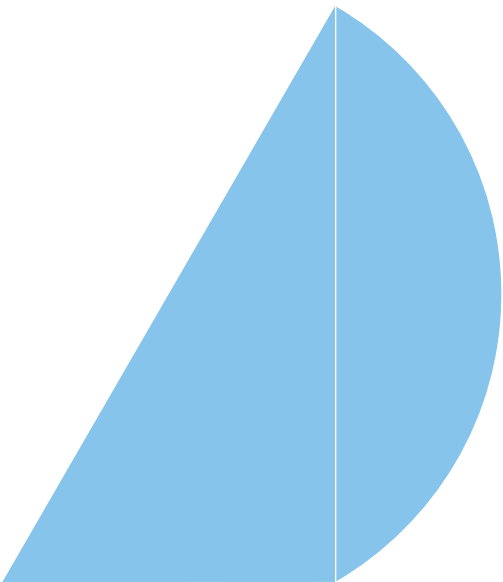
## The IBM Cloud Object Storage for Data Protection solution helps you meet your IT challenges

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

To help address these challenges, the IBM® Cloud Object Storage for Data Protection solution provides a fully tested and verified solution that can be non-disruptively deployed in IBM Spectrum Protect™ backup environments.

The IBM Cloud Object Storage for Data Protection solution helps existing IBM Spectrum Protect customers:

- Reduce capital and operating expenditures on data protection while providing a more scalable and easier to manage storage solution.
- Transition from tape or virtual tape to a reduced-cost disk target in industry-leading private, public or hybrid cloud object storage deployment models.
- Seamlessly and flexibly scale in a multi-site, geo-dispersed configuration for always-on availability. Unlike most disk-based backup solutions, there is no need 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 faster than with tape storage solutions to help meet regulatory, legal or business needs.
- Optimize software-defined inline deduplication in IBM Spectrum Protect instead of more costly deduplication appliances.
- Deploy in private, public or hybrid cloud environments.



## What is the IBM Cloud Object Storage for Data Protection solution?

This cost-effective, industry-leading solution combines IBM Spectrum Protect data protection software with IBM Cloud Object Storage to provide an always-on disk target for data backup and long-term retention, improving availability of backup and archive data while reducing acquisition and operational costs of data protection. This powerful combination allows you to scale your data protection solution as needed for the changing demands of the future.

### IBM Spectrum Protect

IBM Spectrum Protect software simplifies data protection in physical, virtual, software-defined or cloud environments. The software allows organizations to manage and protect data while simplifying backup administration, improving efficiency and delivering scalable capacity.

### IBM Cloud Object Storage

IBM Cloud Object Storage provides the flexibility, scalability and simplicity needed to store, manage and access today's rapidly growing volumes of unstructured data in a private, public or hybrid cloud environment.

IBM Cloud Object Storage transforms storage challenges into business advantages by reducing storage costs while reliably supporting both traditional and emerging cloud-born workloads for enterprise mobile, social, analytics and cognitive computing.

### Deployment Options

IBM Cloud Object Storage for Data Protection allows you to store primary, secondary or long-term copies of backup data into Cloud Object Storage. These copies can be deployed in private, public or hybrid cloud environments 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.

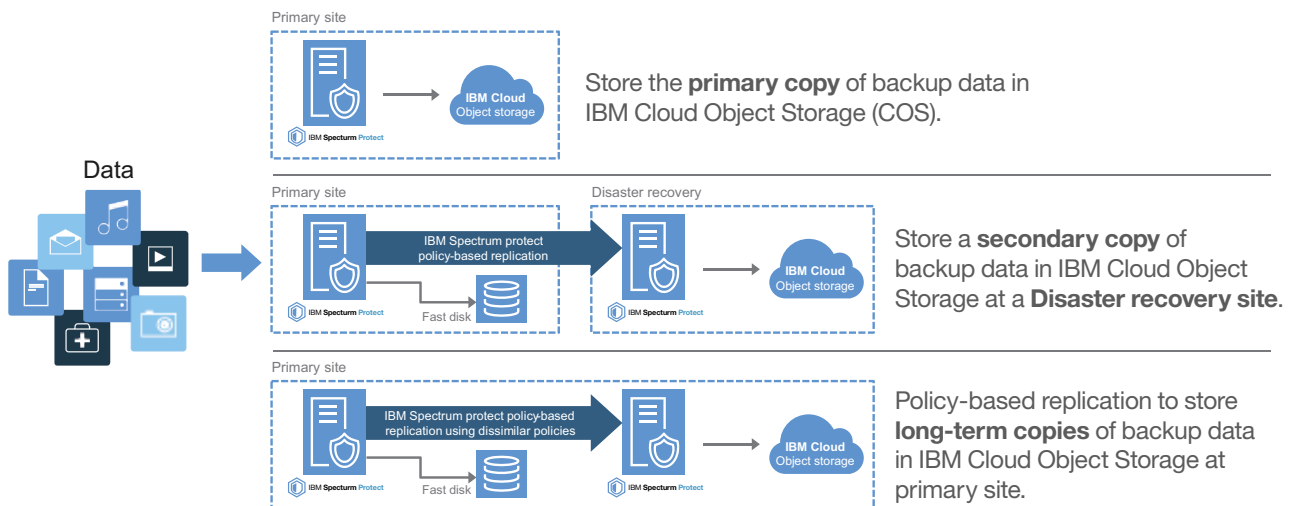


Figure 1. IBM Cloud Object Storage can be utilized for storing primary, secondary or long-term copies of backup data without disrupting existing processes.

IBM tested and validated two IBM Cloud Object Storage for Data Protection solution configurations. These configurations can be deployed in public, private or hybrid cloud environments.

Backup and restore performance for these solution configurations along with IBM Cloud Object Storage capacities are shown below.

<b>Solution configuration*</b>	<b>Protected capacity</b>	<b>Logical capacity</b>	<b>Backup performance</b>	<b>Restore performance</b>
One IBM Spectrum Protect System One IBM Cloud Object Storage System™	504TB	2.0PB	Up to 8TB/hour	Up to 1.5TB/hour
Two IBM Spectrum Protect Systems One IBM Cloud Object Storage System	1176TB	4.1PB	Up to 16TB/hour	Up to 3TB/hour

\* A report with configuration details is available upon request. Contact your IBM representative for more information.

### 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 has 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.<sup>1</sup>
- Cleversafe storage solutions are 72 percent less expensive than the equivalent Redundant Array of Independent Disks (RAID) solutions.<sup>2</sup>

### 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](https://ibm.com/cloud-computing/products/storage/object-storage/cloud)

For more information on IBM Spectrum Protect, visit [ibm.com/systems/storage/spectrum/protect](https://ibm.com/systems/storage/spectrum/protect)



---

© Copyright IBM Corporation 2017

IBM Corporation  
IBM Cloud Services  
Route 100  
Somers, NY 10589

Produced in the United States of America  
February 2017

IBM, the IBM logo, ibm.com, Cloud Object Storage System, and Spectrum Protect are trademarks of International Business Machines Corp., registered in many jurisdictions worldwide. Other product and service names might be trademarks of IBM or other companies. A current list of IBM trademarks is available on the web at "Copyright and trademark information" at [www.ibm.com/legal/copytrade.shtml](http://www.ibm.com/legal/copytrade.shtml).

Cleversafe is a trademark of Cleversafe, Inc., an IBM Company.

This document is current as of the initial date of publication and may be changed by IBM at any time. Not all offerings are available in every country in which IBM operates.

The performance data and client examples cited are presented for illustrative purposes only. Actual performance results may vary depending on specific configurations and operating conditions.

THE INFORMATION IN THIS DOCUMENT IS PROVIDED "AS IS" WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, INCLUDING WITHOUT ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND ANY WARRANTY OR CONDITION OF NON-INFRINGEMENT. IBM products are warranted according to the terms and conditions of the agreements under which they are provided.

It is the user's responsibility to evaluate and verify the operation of any other products or programs with IBM products and programs.

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

<sup>1</sup> Gartner. 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](http://www.ibm.com/marketing/iwm/dre/signup?source=mrs-form-8563&S_PKG=ov51769)

<sup>2</sup> 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?subtype=WH&infotype=SA&htmlfid=TS�03266USEN&attachment=TS�03266USEN.PDF](http://www.ibm.com/common/ssi/cgi-bin/ssialias?subtype=WH&infotype=SA&htmlfid=TS�03266USEN&attachment=TS�03266USEN.PDF)



Please Recycle