



What Is Cloud Storage?

In this technological era, every enterprise and people who require more storage space and are looking for a reliable offsite data backup solution are increasingly interested in cloud storage. The primary benefit of cloud storage is the ability to store data in digital form and access that data on any device, anytime, from anywhere.



What is cloud storage?

Cloud storage is a form of data storage where the data is stored on remote servers that can be accessed over the internet. The data is stored on servers that are maintained and managed by third-party service providers, and the users can access their data from anywhere with an internet connection. It allows for easy access to the data and the ability to store and process massive amounts of data without the need for expensive hardware. Some popular cloud storage providers include Amazon Web Services (AWS), Microsoft OneDrive, Google Drive, and Dropbox.

Benefits of cloud storage

- It reduces the need to purchase and maintain costly hardware and infrastructure.
- It allows businesses to scale their storage capacity to meet their changing needs easily.
- It provides users easy access to their data from anywhere with an internet connection.
- It is often used for backup and recovery, data sharing, and data archiving.
- It aids in safeguarding the data against viruses or various cybersecurity risks like ransomware.

Types of Cloud Storage

There are three types of cloud storage:

1. **Object storage:** Object storage is a flexible storage solution that allows any data for the desired amount of time and simplifies data retrieval. It can handle large amounts of unstructured data, such as images, videos, audio files, documents, backups, and other digital content, in a highly scalable and cost-effective manner.

Examples: Amazon S3, Google Cloud Storage, Microsoft Azure Blob Storage, IBM Cloud Object Storage, etc.

2. **File storage:** File storage, also called file-level or file-based storage, organizes data in a hierarchical file structure with directories and files. It is commonly used for storing and managing structured and unstructured data.

Examples: Dropbox, Google Drive, and OneDrive.

3. **Block storage:** Block storage stores data in fixed-size blocks on storage devices, such as solid-state drives (SSDs) or hard disk drives (HDDs). It divides files and database entries into equal-sized chunks or blocks and then stores those blocks separately, giving each one a unique ID.

Examples: Amazon EBS, Google Compute Engine Persistent Disks, Microsoft Azure Disk Storage, and IBM Block Storage.

How can InfosecTrain help you?

The usage of cloud storage has grown dramatically over the past year and will surge in the coming years. Enroll in [InfosecTrain](#) if you want to learn more about cloud storage and various cybersecurity practices to protect your data stored. InfosecTrain provides [CompTIA Cloud+](#) and other various [Cloud Computing](#) certification training courses. You can also enroll in the [Cloud Security Expert Combo](#) training course, specifically designed to develop your skills

to help you maintain cloud security. So join now, and learn with our highly experienced instructors.

You can also read: [Cloud Storage Best Practices](#).