

# Cloud-based Backup

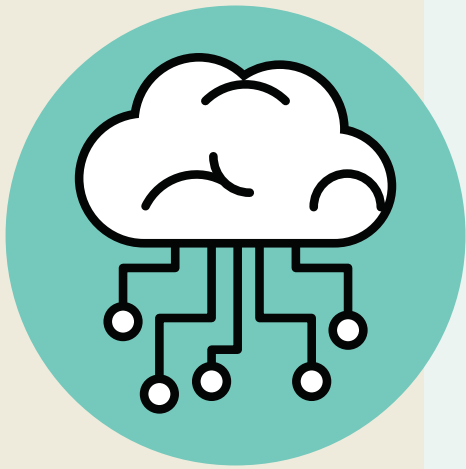
Cloud backup, also known as online backup or remote backup, is a method of storing a copy of a physical or virtual file or database in a secondary, off-site location in case of disaster or equipment failure. A third-party service provider normally hosts the backup server and data storage systems, charging the backup client a price based on the amount of storage space or capacity used, data transmission bandwidth, the number of users, the number of servers, or the number of times data is accessed.

**Example:** Cloudberry Lab/MSP360 ,Crashplan, Druva, iDrive, SolarWinds Backup, SOS Online Backup



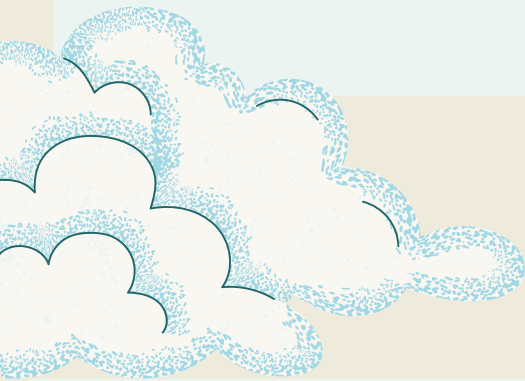
## Importance of Cloud-based Backup

- **Backup frequency:** Multiple daily point-in-time backups for a snapshot of our information at multiple times throughout the day should be provided by the most reliable backup systems.
- **Pricing structure:** There are no additional storage or recovery fees with per-user pricing, which shields your company from the expense of data outflow regardless of the amount of data we have.
- **Customer support:** So that if your data is compromised, you have a helping hand when you need it



The different deployment models in cloud computing are

- Private Cloud
- Public Cloud
- Community Cloud
- Hybrid Cloud



Security Cloud Computing provides are :

- **Identity management:** It gives the application services permission to operate.
- **Authentication and Authorization:** It gives permission for the application services to be used.
- **Access control:** Permission must be granted to users in order for them to manage the access of another user who enters the cloud environment.

## Cloud backup service considerations



### Cloud Based Backup Advantage

- **Cloud Storage is Efficient and Reliable** To save our data, cloud storage services use cutting-edge technology. In SAS 70-certified data centers, they use disk-based backup, compression, encryption, data deduplication, server virtualization, storage virtualization, application-specific protection, and more.
- **Fast Recovery of Small Amounts of Data:** Small items can be quickly retrieved from cloud storage. Documents, PDFs, and photographs can be retrieved in a matter of seconds. Depending on their location and level of security, recovering hard copies of files can take a long time.
- **Anytime, Anywhere Access:** Customers can access their data from anywhere at any time when their data is stored on the cloud. All files are accessible as long as there is Internet connectivity, whether through a computer or a smartphone app.

#### Reference

- <https://www.globalhn.com/blog/advantages-disadvantages-using-cloud-storage-back-data/>
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- <https://www.channelfutures.com/from-the-industry/5-biggest-advantages-of-cloud-backup>