



Amazon Glacier

## ❖ AMAZON S3 GLACIER:

- S3 Glacier is a secure, durable, and extremely low-cost Amazon S3 storage class for data archiving and long-term backup.
- Glacier is a storage service optimized for **infrequently used data** or **cold data**.
- With S3 Glacier, customers can store their data cost effectively for months, years, or even decades.
- S3 Glacier is one of the many different storage classes for Amazon S3.
- Minimum storage period **90 days**.
- Objects can be sent to Glacier using **lifecycle management policies**.

## USE CASES:

- Media asset workflows
- Healthcare information archiving
- Regulatory, compliance, and business policy archiving
- Scientific data storage
- Scientific data storage
- Long-term backup retention
- Tape replacement

## VAULTS:

- A vault is a container for storing archives.
- An archive can be any data such as a photo, video, document...etc.
- Vault size is unlimited.

## ARCHIVES

- Data is stored in Amazon Glacier in "**archives**." An archive means **TAR** or **ZIP** file.
- A single archive can be as large as **40 Terabytes**.

## NOTE:

- S3 Glacier provides a management console. You can use the console to create and delete vaults. However, all other interactions with S3 Glacier require that you use the AWS Command Line Interface (CLI) or write code.
- For example, to upload data, such as photos, videos, and other documents.

## ➤ **TOOLS FOR UPLOADING FILES TO AMAZON GLACIER:**

- Amazon Glacier is a fundamental part of the AWS platform, responsible for archiving and cold storage. However, there is no proprietary Amazon Glacier client, so users have to resort to third-party tools.
- We have a few backup tools for Amazon Glacier to help you find the best one for you or your business.

## **AMAZON GLACIER CLIENTS:**

### **FAST GLACIER:**

- FastGlacier is a freeware Windows Client for Amazon Glacier - an extremely low-cost storage service that provides secure and durable storage for data archiving and backup.
- FastGlacier enables you to upload your files to Amazon Glacier using your full bandwidth. With FastGlacier you can also download your files from Amazon Glacier and manage the vaults with ease!

### **GLACIER UPLOADER:**

- A Java based client for Amazon Glacier meaning you will need JRE on your computer to get this to work. The upside is that since it uses Java, Glacier Uploader will work on Mac, Windows and Linux machines.
- The name is “Glacier Uploader” but the same tool may also be used for downloading your archives.

### **S3 EXPLORER:**

- This is one of the most popular Amazon S3 Client for Windows and the new version supports Amazon Glacier as well.
- You can simply drag and drop folders to copy files from the computer to Glacier Vaults or vice-versa. There’s also an option to setup sync folder so that your local folders and Glacier folders are always in sync.

### **CLOUDBERRY BACKUP:**

- If you are looking for a tool to continuously backup your files and folders to Glacier at set intervals, CloudBerry Backup is a good choice.
- In addition to Amazon Glacier, the same tool can also be used for backing up your files to Amazon S3, Google Storage and Microsoft Azure. It offers a wizard-based approach making it easier for anyone to create backup jobs.