CloudHealth by vmware

Your Cheat Sheet to Amazon Cloud Storage Pricing

Common S3, EBS, and EFS cloud storage pricing

To help you understand the costs of your cloud services, we've created a pricing cheat sheet of the three most common Amazon Web Services (AWS) cloud storage services: **object storage (S3), block storage (EBS), and file storage (EFS).**

S3 Storage Pricing

Seven factors contribute to AWS S3 cloud storage pricing:

1

LOCATION
Prices vary by region, with some services more than 75% more expensive in two different regions.

2

VOLUME
The more data you store in the Standard storage tier, the less you pay per GB.

3

REDUNDANCY
You can increase or decrease the level of redundancy according to the nature of the data, but prices go up as you increase.

4

CLASS
You can store data in different storage classes (tiers) depending on how frequently data will be accessed, how long you need to store the data, and the redundancy and availability required.

5

REQUESTS
S3 costs depend on the request type (e.g. PUT, COPY, GET, etc.), the number of requests, and the volume of data retrieved.

6

TRANSFERS
The more data you transfer out, the lower the rate you pay per GB. You only pay for data transferred into an S3 bucket if you use the Amazon S3 Transfer Acceleration service or subscribe to Amazon's Direct Connect service.

7

RETRIEVALS
Retrieving data from a Standard S3 storage volume is free, but from Infrequent or Glacier storage classes, pricing increases the higher the volume of data retrieved.

EBS Storage Pricing

With EBS storage, you pay for what you provision, and pricing depends on the amount of data stored and the region where the instance is deployed. There are four types to choose from:

1

EBS PROVISIONED IOPS SSD (TYPE io1/io2)
The highest-performance EBS storage option, designed for IOPS-intensive and throughput-intensive workloads that require extremely low latency.

2

EBS GENERAL PURPOSE SSD (TYPE gp2)
The default option when provisioning block storage, suitable for general-purpose workloads.

3

THROUGHPUT OPTIMIZED HDD (TYPE st1)
Designed for frequently accessed, throughput-intensive workloads, suitable for development and testing environments.

4

COLD HDD (TYPE sc1)
Lowest-cost EBS storage type, ideal for less frequently accessed workloads.

EFS Storage Pricing

Prices for Amazon's Elastic File System (EFS) are charged per GB of data per month. The decisions that affect EFS storage pricing are:

1

The region(s) you want to place your data

2

Whether the data requires more provisioned throughput than the 50KB/s per GB of data provided by default

3

Whether to place data in the Standard or Infrequently Accessed tier

Cloud storage costs and discount options are constantly changing. Make sure you keep up-to-date and integrate your cloud storage strategy into your greater cloud financial management practice. **See our complete guide to Amazon cloud storage pricing here.**