aws

Amazon S3  ⌄

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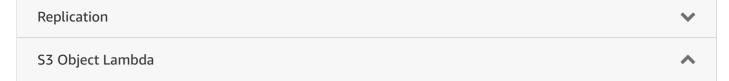
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# Amazon S3 pricing

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Pay only for what you use. There is no minimum charge. There are six Amazon S3 cost components to consider when storing and managing your data—storage pricing, request and data retrieval pricing, data transfer and transfer acceleration pricing, data management and analytics pricing, replication pricing, and the price to process your data with S3 Object Lambda.

| Storage | ⌄ |
|---|---|
| Requests & data retrievals | ⌄ |
| Data transfer | ⌄ |
| Management & analytics | ⌄ |

| Replication | ⌄ |
| --- | --- |

| S3 Object Lambda | ⌃ |
| --- | --- |

## S3 Object Lambda pricing

With S3 Object Lambda you can add your own code to S3 GET requests to modify and process data as it is returned to an application. For the first time, you can use custom code to modify the data returned by standard S3 GET requests to filter rows, dynamically resize images, redact confidential data, and much more. Powered by AWS Lambda functions, your code runs on infrastructure that is fully managed by AWS, eliminating the need to create and store derivative copies of your data or to run expensive proxies, all with no changes required to applications.

When you use S3 Object Lambda, your S3 GET request invokes an AWS Lambda function that you define. This function will process your data and return a processed object back to your application. In the US East (N. Virginia) Region you pay $0.0000167 per GB-second for the duration of your AWS Lambda function, and $0.20 per 1M AWS Lambda requests. You also pay $0.0004 per 1,000 requests for all S3 GET requests that are invoked by your Lambda function, and a $0.005 per-GB charge for the data S3 Object Lambda returns to your application. S3 request and Lambda prices depend on the AWS Region, and the duration and memory allocated to your Lambda function. All regional prices are on the AWS Lambda and Amazon S3 pricing pages.

Region: [ Asia Pacific (Singapore) ⇕ ]

| | Price |
| --- | --- |
| Data returned | $0.005 per GB |

## S3 Object Lambda pricing example

You have 1,000,000 objects that contain historical log data, generated by many applications. Confidential log entries make up 50% of the data. These logs are stored in the S3 Standard storage class, and the average object size is 1000 KB. You are building an application that analyzes this data, but should not have access to confidential log entries.

You can use S3 Object Lambda to filter out confidential log entries. This filtering occurs as your logs are retrieved from S3 with standard S3 GET requests. The Lambda function to filter your data is allocated 512MB of memory, has a 1 second runtime, and returns filtered objects that are 500 KB in size (on average) back to your application. This example assumes one retrieval per month for each object. This example uses the US East (N. Virginia) Region.

Your charges would be calculated as follows:

**Amazon S3 GET request charge**

S3 GET requests from the S3 Standard storage class cost $0.0004 per 1,000 requests.

S3 GET Request cost: 1,000,000 requests * $0.0004/1K requests = **$0.40**

**AWS Lambda Charges**

The Lambda compute cost is $0.0000167 per GB-second. GB-seconds are calculated based on the number of seconds that a Lambda function runs, adjusted by the amount of memory allocated to it.

The Lambda request price is $0.20 per 1 million requests.

Lambda compute charge: 1,000,000 requests * 1 second * 0.5 GB (512 MB/1024) memory allocated * $0.0000167 per GB-second = $8.35

Lambda request charge = 1,000,000 requests * $0.20 per 1 million requests = $0.20

Total Lambda cost = $8.35 + $0.20 = **$8.55**

**S3 Object Lambda Charge**
After the Lambda function filters the object, 500 KB is returned to the application at a cost of $0.005/GB of data returned.

Data Return Charge: 1,000,000 * 500 KB * $0.005/GB = **$2.50**

**Total Charges:**

Amazon S3 GET request charges = $0.40

AWS Lambda charges = $8.55

Amazon S3 Object Lambda charges = $2.50

**Total = $11.45**

Except as otherwise noted, our prices are exclusive of applicable taxes and duties, including VAT and applicable sales tax. For customers with a Japanese billing address, use of AWS is subject to Japanese Consumption Tax. To learn more, visit our consumption tax FAQs »

Amazon S3 storage usage is calculated in binary gigabytes (GB), where 1GB is $2^{30}$ bytes. This unit of measurement is also known as a gibibyte (GiB), defined by the International Electrotechnical Commission (IEC). Similarly, 1 TB is $2^{40}$ bytes, i.e. 1024 GBs.

For S3 pricing examples, go to the S3 billing FAQs or use the AWS Pricing Calculator.

# AWS Free Tier

As part of the AWS Free Tier, you can get started with Amazon S3 for free. Upon sign-up, new AWS customers receive 5GB of Amazon S3 storage in the S3 Standard storage class; 20,000 GET Requests; 2,000 PUT, COPY, POST, or LIST Requests; and 100 GB of Data Transfer Out each month.

Your usage for the free tier is calculated each month across all AWS Regions except the AWS GovCloud Region and automatically applied to your bill; unused monthly usage will not roll over. Restrictions apply; see offer terms for more details.

# AWS Pricing Calculator

Estimate the cost for your storage solution. Configure a cost estimate that fits your unique business or personal needs with Amazon S3. Try out the AWS Pricing Calculator.

# Ready to get started?



## Check out Amazon S3 features

Learn more about features for data management, security, access management, analytics, and more.
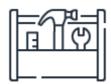**Learn more »**



## Sign up for a free account

Instantly get access to the AWS Free Tier and start experimenting with Amazon S3.
**Sign up »**

## Start building in the console

Get started building with Amazon S3 in the AWS Console.

**Get started »**



## Get help getting started

Contact AWS specialists to get a personalized quote

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