

AWS Pricing Model

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How does AWS Pricing Work?

AWS Pricing Principals:

- (1) AWS works on a pay-as-you-go model. Meaning that you only pay for what you use, when you are using it. There are no upfront cost, and charges immediately end when you stop using a particular service or feature (for the most part).
- (2) No long term contracts or complex licensing are required.
 - Exceptions can be something like reserved EC2 instances. (not required)
- (3) Volume discounts are available. So the more you use a service, the cheaper it can get (per unit used).
- (4) There are no termination fees.
- (5) AWS offers a "Free Tier" option for those that are new to AWS. Free Tier offers limited AWS resources to you free-of-charge for 12 months (new accounts only). For more information on AWS Free Tier: <https://aws.amazon.com/free/>

How does AWS Pricing Work?

Simple Storage Service (S3):

<https://aws.amazon.com/s3/pricing/>

- (1) **How much data you store:**
 - Applies to data-at-rest in S3
 - Charged per GB stored
 - Price per GB varies based on region and storage class
- (2) **Request Pricing** - moving data in/out of S3:

- PUT, POST, LIST, GET Request (API request)
- Lifecycle Transitions Request
- Data Retrieval, Data Archive, Data Restore

Elastic Cloud Compute (EC2):

<https://aws.amazon.com/ec2/pricing/>

You are charged per second (based on an hourly rate) for the amount of time the instance is in a "running" state (Applies to On-demand & Spot). Reserved instances are in 1 or 3 year terms regardless of use. Hourly rates depend on options you select, such as:

(1) The Purchasing Option you choose:

- On-demand, Reserved, or Spot

(2) Instance Type - the instance's processing capacity (think CPU):

- i.e. General purpose, Compute optimized, GPU optimized, etc.

(4) AMI Type - (think operating system):

- Linux (price varies based on distro/software packages)
- Windows (price varies based on version/software packages)

(6) Region the instance is provisioned in

NOTE: You are also charged for transferring data in/out of an instance.