Amazon ElastiCache pricing

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AWS Pricing Calculator for ElastiCache

Estimate your monthly ElastiCache charges and explore price breakdowns based on a single scenario based on business data inputs. Learn more about AWS Pricing Calculator and how to get started with it.

Try our new Serverless and Graviton3-based instances for ElastiCache and Memcached. Serverless is the easiest way to get started with ElastiCache and can scale to petabytes of data and millions of requests per second. Graviton3-based instances provide the best price-performance for ElastiCache and can save you 20% in operating costs.

Learn more about ElastiCache Serverless | Learn more about Graviton3-based instances | Learn more about Graviton2-based instances | Learn more about Graviton-based instances

AWS Free Tier

Get started with ElastiCache for free with the AWS Free Tier. The Free Tier includes 750 hours per month of micro, small, and medium cache node usage (cache.t2.micro, cache.t3.micro, cache.t4g.micro, cache.t3.small, cache.t4g.small, cache.t3.medium, or cache.t4g.medium) for the first 12 months. See the AWS Free Tier page for more details.

If you sign up for AWS for the first time on Oct 15, 2021, you will be offered a limited-time offer of a 750 hour Free Tier access to ElastiCache and the Relational Database Service (RDS) for Redis, Memcached, and MariaDB. Your Free Tier access will be automatically credited for up to $300 of your ElastiCache and RDS usage over the first 12 months. Unused credits will not be carried forward after your Free Tier access ends. See the Free Tier page for more details.

The AWS Free Tier applies to any purchase of ElastiCache nodes and RDS instances that you launch, including those launched from your Amazon Virtual Private Cloud (VPC). Your Free Tier credits will be applied to your bill before any other discounts, including Reserved Instances.

Serverless

Pay-per-use

Data Stored: You are charged for the average amount of data stored in gigabytes per hour.

ElastiCache Processing Unit (ECPU): You pay for the total number of ECPUs consumed by your requests. One ECPU can be used to perform a simple read request of 1 KB size per second. Larger requests or complex operations such as Lua scripts consume more than 1 ECPU.

Minimum monthly charge: The minimum cache size for Serverless is 1 GB. You are charged for the minimum cache size even if you store less than 1 GB of data.

Region	Data Stored (GB-Hours)	ECPU
US East (N. Virginia)	$0.0840	$0.0023

On-demand nodes

You are billed per node, and charges vary by node type and size and the number of nodes you run. Available node types and specifications include: general purpose (M5 and M6g), memory optimized (R5 and R6g), and burstable (T2, T3, and T4g). Learn more about node types and specifications.

Region	Reserved Nodes	Node Hrs
US East (N. Virginia)		

Standard cache nodes - Current generation

Node Family	vCPU	Memory	Network performance	Price per Hour
cache.t4g.micro	2	0.5 GiB	Up to 5 Gigabit	$0.0168
cache.t4g.small	2	1.37 GiB	Up to 5 Gigabit	$0.0336
cache.t4g.medium	2	3.09 GiB	Up to 5 Gigabit	$0.0672
cache.t3.micro	2	0.5 GiB	Up to 5 Gigabit	$0.017
cache.t3.small	2	1.37 GiB	Up to 5 Gigabit	$0.034
cache.t3.medium	2	3.09 GiB	Up to 5 Gigabit	$0.068
cache.t2.micro	1	0.555 GiB	Low to Moderate	$0.017
cache.t2.small	1	1.55 GiB	Low to Moderate	$0.034
cache.t2.medium	2	3.22 GiB	Low to Moderate	$0.068
cache.m7g.large	2	6.38 GiB	Up to 12.5 Gigabit	$0.1763
cache.m7g.xlarge	4	12.93 GiB	Up to 12.5 Gigabit	$0.3526
cache.m7g.2xlarge	8	26.04 GiB	Up to 15 Gigabit	$0.7053
cache.m7g.4xlarge	16	52.26 GiB	15 Gigabit	$1.4105
cache.m7g.8xlarge	32	104.7 GiB	15 Gigabit	$2.8211
cache.m7g.12xlarge	48	157.7 GiB	22.5 Gigabit	$4.2316
cache.m7g.16xlarge	64	209.47 GiB	30 Gigabit	$5.6421
cache.m6g.large	2	6.38 GiB	Up to 10 Gigabit	$0.1554
cache.m6g.xlarge	4	12.93 GiB	Up to 10 Gigabit	$0.3108
cache.m6g.2xlarge	8	26.04 GiB	Up to 10 Gigabit	$0.6215
cache.m6g.4xlarge	16	52.82 GiB	10 Gigabit	$1.2431
cache.m6g.8xlarge	32	105.81 GiB	12 Gigabit	$2.4862
cache.m6g.12xlarge	48	158.82 GiB	20 Gigabit	$3.7293
cache.m6g.16xlarge	64	209.47 GiB	25 Gigabit	$4.9724
cache.m5.large	2	6.38 GiB	Up to 10 Gigabit	$0.1554
cache.m5.xlarge	4	12.93 GiB	Up to 10 Gigabit	$0.3108
cache.m5.2xlarge	8	26.04 GiB	Up to 10 Gigabit	$0.6215
cache.m5.4xlarge	16	52.82 GiB	10 Gigabit	$1.2431
cache.m5.12xlarge	48	158.82 GiB	12 Gigabit	$3.7293
cache.m5.24xlarge	96	317.77 GiB	25 Gigabit	$7.4586
cache.r7g.large	2	13.07 GiB	Up to 12.5 Gigabit	$0.2268
cache.r7g.xlarge	4	26.32 GiB	Up to 12.5 Gigabit	$0.4536
cache.r7g.2xlarge	8	52.82 GiB	Up to 15 Gigabit	$0.9071
cache.r7g.4xlarge	16	105.81 GiB	Up to 15 Gigabit	$1.8142
cache.r7g.8xlarge	32	209.47 GiB	15 Gigabit	$3.6284
cache.r7g.12xlarge	48	317.77 GiB	22.5 Gigabit	$5.4426
cache.r7g.16xlarge	64	419.41 GiB	30 Gigabit	$7.2569
cache.r6g.large	2	13.07 GiB	Up to 10 Gigabit	$0.2136
cache.r6g.xlarge	4	26.32 GiB	Up to 10 Gigabit	$0.4272
cache.r6g.2xlarge	8	52.82 GiB	Up to 10 Gigabit	$0.8544
cache.r6g.4xlarge	16	105.81 GiB	Up to 10 Gigabit	$1.7088
cache.r6g.8xlarge	32	211.33 GiB	12 Gigabit	$3.4176
cache.r6g.12xlarge	48	317.77 GiB	20 Gigabit	$5.1264
cache.r6g.16xlarge	64	419.09 GiB	25 Gigabit	$6.8352
cache.r5.large	2	13.07 GiB	Up to 10 Gigabit	$0.216
cache.r5.xlarge	4	26.32 GiB	Up to 10 Gigabit	$0.432
cache.r5.2xlarge	8	52.82 GiB	Up to 10 Gigabit	$0.864
cache.r5.4xlarge	16	105.81 GiB	Up to 10 Gigabit	$1.728
cache.r5.12xlarge	48	317.77 GiB	12 Gigabit	$5.184
cache.r5.24xlarge	96	635.61 GiB	25 Gigabit	$10.368

Memory-optimized nodes with data tiering - Current generation

Node Family	vCPU	Memory	Network performance	Price per Hour
cache.r6gd.xlarge	4	26.32 GiB	Up to 10 Gigabit	$0.5432
cache.r6gd.2xlarge	8	52.82 GiB	Up to 10 Gigabit	$1.0864
cache.r6gd.4xlarge	16	105.81 GiB	Up to 10 Gigabit	$2.1728
cache.r6gd.8xlarge	32	211.33 GiB	12 Gigabit	$4.3456
cache.r6gd.12xlarge	48	317.77 GiB	20 Gigabit	$6.5184
cache.r6gd.16xlarge	64	419.09 GiB	25 Gigabit	$8.6912

Data tiering

Data tiering provides a cost-effective way to use larger Redis clusters. Data tiering automatically stores the least frequently accessed data on SSDs, which are cheaper than memory. Frequently accessed data is stored in memory. Data tiering is available only for Redis 6.2.6 clusters that are running on R6gd nodes. Learn more about data tiering.

Region	Node Hrs
US East (N. Virginia)	

Memory-optimized nodes with data tiering - Current generation

Node Family	vCPU	Memory	Network performance	Price per Hour
cache.r6gd.xlarge	4	26.32 GiB	Up to 10 Gigabit	$0.5432

Reserved nodes

You can make a one-time payment for each node you want to reserve and in turn receive a significant discount on the hourly charge for that node. There is no minimum contractual obligation for reserved nodes. Additional nodes can be launched at the discounted hourly price specified with your reservation. Reserved nodes are available in three varieties:

- **No Upfront**: provides access to a node without requiring an upfront payment. You pay for the node on an hourly basis for the duration of the reservation, whether or not you use it.
- **Partial Upfront**: requires a low upfront payment and provides a discounted hourly usage charge for the duration of the reservation. You must pay for the hours, whether or not you use them.
- **All Upfront**: provides access to a node for the duration of the reservation without any additional charges. You pay for the entire reservation upfront, regardless of how much you actually use.

Reserved nodes are not physical nodes: they are a billing discount applied to the use of On-Demand nodes in your account. These On-Demand nodes are normally billed at the On-Demand node hourly cost rate unless you match them to a reserved node purchase. For more information, see Reserved Nodes.

AWS Free Tier customers will receive 750 hours per month of micro, small, and medium cache node usage (cache.t2.micro, cache.t3.micro, cache.t4g.micro, cache.t3.small, cache.t4g.small, cache.t3.medium, or cache.t4g.medium) for the first 12 months. See the AWS Free Tier page for more details.

If you sign up for AWS for the first time on Oct 15, 2021, you will be offered a limited-time offer of a 750 hour Free Tier access to ElastiCache and the Relational Database Service (RDS) for Redis, Memcached, and MariaDB. Your Free Tier access will be automatically credited for up to $300 of your ElastiCache and RDS usage over the first 12 months. Unused credits will not be carried forward after your Free Tier access ends. See the Free Tier page for more details.

Reserved Node Offerings for Amazon ElastiCache

Select a location type and region

Location Type: AWS Region

Region: US East (N. Virginia)

Select a cache type to view rates

Cache Type: Redis

Region: US East (N. Virginia)

Viewing 46 available nodes

Node Type	Upfront Price	Monthly Price	Effective Hourly Price	Savings over On-Demand	On-Demand Hourly	Region
cache.t4g.micro	$0.00	$0.00	$0.008000	52%	$0.0168	Nidhu
cache.t4g.small	$0.00	$0.00	$0.016000	52%	$0.0336	Nidhu
cache.t4g.medium	$0.00	$0.00	$0.032000	52%	$0.0672	Nidhu
cache.m6g.large	$0.00	$0.00	$0.077000	50%	$0.1554	Nidhu
cache.m6g.xlarge	$0.00	$0.00	$0.154000	50%	$0.3108	Nidhu
cache.m6g.2xlarge	$0.00	$0.00	$0.308000	50%	$0.6215	Nidhu
cache.m6g.4xlarge	$0.00	$0.00	$0.616000	50%	$1.2431	Nidhu
cache.m6g.8xlarge	$0.00	$0.00	$1.232000	50%	$2.4862	Nidhu
cache.m6g.12xlarge	$0.00	$0.00	$1.848000	50%	$3.7293	Nidhu
cache.m6g.16xlarge	$0.00	$0.00	$2.464000	50%	$4.9724	Nidhu
cache.m5.large	$0.00	$0.00	$0.077000	50%	$0.1554	Nidhu
cache.m5.xlarge	$0.00	$0.00	$0.154000	50%	$0.3108	Nidhu
cache.m5.2xlarge	$0.00	$0.00	$0.308000	50%	$0.6215	Nidhu
cache.m5.4xlarge	$0.00	$0.00	$0.616000	50%	$1.2431	Nidhu
cache.m5.12xlarge	$0.00	$0.00	$1.848000	50%	$3.7293	Nidhu
cache.m5.24xlarge	$0.00	$0.00	$3.696000	50%	$7.4586	Nidhu
cache.r6g.large	$0.00	$0.00	$0.107000	50%	$0.2136	Nidhu
cache.r6g.xlarge	$0.00	$0.00	$0.214000	50%	$0.4272	Nidhu
cache.r6g.2xlarge	$0.00	$0.00	$0.427000	50%	$0.8544	Nidhu
cache.r6g.4xlarge	$0.00	$0.00	$0.854000	50%	$1.7088	Nidhu
cache.r6g.8xlarge	$0.00	$0.00	$1.709000	50%	$3.4176	Nidhu
cache.r6g.12xlarge	$0.00	$0.00	$2.563000	50%	$5.1264	Nidhu
cache.r6g.16xlarge	$0.00	$0.00	$3.418000	50%	$6.8352	Nidhu
cache.r5.large	$0.00	$0.00	$0.108000	50%	$0.216	Nidhu
cache.r5.xlarge	$0.00	$0.00	$0.216000	50%	$0.432	Nidhu
cache.r5.2xlarge	$0.00	$0.00	$0.432000	50%	$0.864	Nidhu
cache.r5.4xlarge	$0.00	$0.00	$0.864000	50%	$1.728	Nidhu
cache.r5.12xlarge	$0.00	$0.00	$2.592000	50%	$5.184	Nidhu
cache.r5.24xlarge	$0.00	$0.00	$5.184000	50%	$10.368	Nidhu

The monthly fee for reserved nodes (shown) is prorated over the course of the billing period (shown as 31 days in this month). Depending on the number of days in the month, the monthly fee will vary. The effective hourly price is the total of the upfront and monthly fees divided by the number of hours in the month. The savings over On-Demand is based on the effective hourly price and the On-Demand rate for the same node type.

In the following example, you have a reserved cache.m4.large node with a Partial Upfront payment. You pay $227.00 upfront and $0.124 per hour for each hour in a 744-hour month. Your total charges for the month are $319.256. The effective hourly price is $0.429 ($319.256 / 744 hours). The On-Demand rate for the cache.m4.large node is $0.252 per hour. The savings over On-Demand is $0.252 - $0.429 = -$0.177 per hour, or -70% of the On-Demand rate.

Extended support

Extended support is a new option that gives you more time to run your Redis clusters on versions as old as 4.0.10 by the end of 2023. Starting April 1, 2024, for Redis clusters running on versions 5.0.6 and 6.0 with extended support, you will be charged an additional hourly charge per vCPU. Learn more about extended support.

Region	Node Hrs
US East (N. Virginia)	

Backup and restore

With ElastiCache, you can store backups of a cluster in S3 (per GB/month) for disaster recovery. There is also no data transfer fee for restoring data from a backup in the same region.

Data transfer

Data transfer within a Region

There is no charge for data transfer between Amazon Elastic Compute Cloud (Amazon EC2) and ElastiCache nodes in the same Availability Zone. Data transfer between Amazon EC2 and ElastiCache nodes in different Availability Zones of the same Region will be charged at $0.01 per GB in each direction.

Data transfer across regions

Data transfer across Regions (between ElastiCache, Amazon EC2, Amazon RDS, or Amazon Redshift in different Regions) will be charged at standard Internet data transfer rates on both sides of the transfer. The following charges apply for outgoing data that leaves one region and goes to another: $0.02 per GB to US, Canada, Europe, or Israel; $0.09 per GB to Australia, Japan, Singapore, or South Korea; $0.12 per GB to China; $0.147 per GB to South America; $0.16 per GB to India.

Region	Data Transfer Out
US East (N. Virginia)	

AWS Outposts

AWS Outposts is an extension of AWS infrastructure, services, APIs, and tools to customer locations for a consistent hybrid experience. AWS selects, owns, and manages Outposts in or near customer facilities. You can access the full range of AWS services available in the Region to which your Outpost is anchored, using the same APIs and tools across your on-premises and Region environments. Outposts are purchased and billed as a service. Learn more about AWS Outposts.

Region	On-Demand
US East (N. Virginia)	

Pricing examples

Example 1: Getting started with a cache in a new application

Scalable You're building a new application that requires a cache with a minimum size of 1 GB. You expect the application to grow rapidly and need a cache that can scale with your application. You choose the Redis engine and a Serverless cache. You create a Serverless cache and you are charged for the data stored and ElastiCache Processing Units (ECPUs) consumed by your requests.

Data storage charge for Redis Serverless Serverless for Valkey
1 GB per hour x $0.0840 GB-Hour = $0.0840 per hour

Average monthly data storage = 1 GB * 730 hours = 730 GB-Hours
730 GB-Hours * $0.0840 GB-Hour = $61.32 per month

Average Redis ECPUs usage = 3,600 requests/hour * 1 ECPU (assuming each request is a simple read request of size less than 1 KB)
3,600 ECPUs per hour * $0.0023 per million ECPUs = $0.0082800 ECPUs

Total ElastiCache Serverless charges = $61.32 + $0.0082800 = $61.33 per month

Total serverless charges
Data storage charges
Cache usage charges
Total = $61.33 per month

Example 2: Today cache for an application with spiky traffic

Scalable You are building an application that is expected to have spiky traffic. You want a cache that can scale rapidly to meet your application's requirements. You choose the Redis engine and a Serverless cache. You create a Serverless cache and you are charged for the data stored and ElastiCache Processing Units (ECPUs) consumed by your requests. You are not charged for idle capacity. You are charged for the minimum cache size even if you store less than 1 GB of data. Learn more about Serverless.

Data storage charge for Redis Serverless Serverless for Valkey
Data stored in cache = 1 GB per hour x $0.0840 GB-Hour = $0.0840 per hour

Average monthly data storage = 1 GB * 730 hours = 730 GB-Hours
730 GB-Hours * $0.0840 GB-Hour = $61.32 per month

Average Redis ECPUs usage = 3,600 requests/hour * 1 ECPU (assuming each request is a simple read request of size less than 1 KB)
3,600 ECPUs per hour * $0.0023 per million ECPUs = $0.0082800 ECPUs

Total ElastiCache Serverless charges = $61.32 + $0.0082800 = $61.33 per month

Total serverless charges
Data storage charges
Cache usage charges
Total = $61.33 per month

Example 3: Setting cache with a Memcached cache in a new application

Scalable You're building a new application that requires a cache with a minimum size of 1 GB. You expect the application to grow rapidly and need a cache that can scale with your application. You choose the Memcached engine and a Serverless cache. You create a Serverless cache and you are charged for the data stored and ElastiCache Processing Units (ECPUs) consumed by your requests. You are not charged for idle capacity. You are charged for the minimum cache size even if you store less than 1 GB of data. Learn more about Serverless.

Serverless: You create a serverless cache and you are billed only for the resources consumed by your application.

Serverless pricing

Data storage charge for Memcached Serverless Serverless for Valkey
Data stored in cache = 1 GB per hour x $0.0840 GB-Hour = $0.0840 per hour

Average monthly data storage = 1 GB * 730 hours = 730 GB-Hours
730 GB-Hours * $0.0840 GB-Hour = $61.32 per month

ECPU charge
Average number of ElastiCache processing units per request, assuming each request is 1KB in size, and requires simple read or write operations = 1 ECPU

Average monthly ECPUs = 3,600 requests/hour * 730 hours per month = 2,628,000 ECPUs

Average monthly ECPU charge = 2,628,000 ECPUs * $0.0023 per million ECPUs = $0.0060444 ECPUs

Total monthly charge
Total serverless charges = $61.32 + $0.0060444 = $61.33 per month

On-demand node pricing

On-demand node pricing: You pay for each hour that your cache node is running, billed to the second. You choose the node type that best fits the memory and processing requirements of your application or service. Learn more about On-Demand nodes.

On-demand node pricing
Data stored in cache = 1 GB per hour x $0.0840 GB-Hour = $0.0840 per hour

Average monthly data storage = 1 GB * 730 hours = 730 GB-Hours
730 GB-Hours * $0.0840 GB-Hour = $61.32 per month

ECPU charge
Average number of ElastiCache processing units per request, assuming each request is 1KB in size, and requires simple read or write operations = 1 ECPU

Average monthly ECPUs = 3,600 requests/hour * 730 hours per month = 2,628,000 ECPUs

Average monthly ECPU charge = 2,628,000 ECPUs * $0.0023 per million ECPUs = $0.0060444 ECPUs

Total monthly charge
Total serverless charges = $61.32 + $0.0060444 = $61.33 per month

On-demand node pricing

On-demand node pricing: You pay for each hour that your cache node is running, billed to the second. You choose the node type that best fits the memory and processing requirements of your application or service. Learn more about On-Demand nodes.

On-demand node pricing
Data stored in cache = 1 GB per hour x $0.0840 GB-Hour = $0.0840 per hour

Average monthly data storage = 1 GB * 730 hours = 730 GB-Hours
730 GB-Hours * $0.0840 GB-Hour = $61.32 per month

ECPU charge
Average number of ElastiCache processing units per request, assuming each request is 1KB in size, and requires simple read or write operations = 1 ECPU

Average monthly ECPUs = 3,600 requests/hour * 730 hours per month = 2,628,000 ECPUs

Average monthly ECPU charge = 2,628,000 ECPUs * $0.0023 per million ECPUs = $0.0060444 ECPUs

Total monthly charge
Total serverless charges = $61.32 + $0.0060444 = $61.33 per month

Example 4: Operating a growing hackerboard

You want to run a backup process to back up your data from your Redis cluster. Each node in the cluster has 6 GB of memory and an average of 1 GB in data. You run the backup process once per day, and it takes 15 minutes to complete. You keep the backup data for 7 days before deleting it. You are using the cache.m3.medium node type in this example. Backup storage is billed at $0.085 per GB per month.

Data backup charge
Backup storage = 1 GB * 7 backups = 7 GB-Hours

Backup storage charge = 7 GB-Hours * $0.085 per GB-Hour = $0.595 per month

Total ElastiCache charges
Total backup charges = $0.595 per month

Example 5: Creating a multi-cluster cache with low-millisecond latencies using data tiering

Scalable You have a data tiering-enabled cluster and want to create a multi-cluster cache with low-millisecond latencies. You choose the Redis engine and a provisioned cluster. You create a multi-cluster cache and you are charged for the data stored and ElastiCache Processing Units (ECPUs) consumed by your requests.

Data tiering charge for Redis clusters (data tiering-enabled) with R6gd nodes
Data stored in cache = 1 GB per hour x $0.0840 GB-Hour = $0.0840 per hour

Average monthly data storage = 1 GB * 730 hours = 730 GB-Hours
730 GB-Hours * $0.0840 GB-Hour = $61.32 per month

ElastiCache charge
Average number of ElastiCache processing units per request, assuming each request is 1KB in size, and requires simple read or write operations = 1 ECPU

Average monthly ECPUs = 3,600 requests/hour * 730 hours per month = 2,628,000 ECPUs

Average monthly ECPU charge = 2,628,000 ECPUs * $0.0023 per million ECPUs = $0.0060444 ECPUs

Total monthly charge
Total serverless charges = $61.32 + $0.0060444 = $61.33 per month

On-demand node pricing

On-demand node pricing: You pay for each hour that your cache node is running, billed to the second. You choose the node type that best fits the memory and processing requirements of your application or service. Learn more about On-Demand nodes.

On-demand node pricing
Data stored in cache = 1 GB per hour x $0.0840 GB-Hour = $0.0840 per hour

Average monthly data storage = 1 GB * 730 hours = 730 GB-Hours
730 GB-Hours * $0.0840 GB-Hour = $61.32 per month

ECPU charge
Average number of ElastiCache processing units per request, assuming each request is 1KB in size, and requires simple read or write operations = 1 ECPU

Average monthly ECPUs = 3,600 requests/hour * 730 hours per month = 2,628,000 ECPUs

Average monthly ECPU charge = 2,628,000 ECPUs * $0.0023 per million ECPUs = $0.0060444 ECPUs

Total monthly charge
Total serverless charges = $61.32 + $0.0060444 = $61.33 per month

FAQs

How much does ElastiCache cost per month?

See the Pricing Examples section above for examples of monthly charges based on business data inputs including node selection, number of requests, and more.

What factors affect the cost of ElastiCache?

Factors of cost include: ElastiCache, Amazon Elastic Compute Cloud (Amazon EC2), Amazon Virtual Private Cloud (Amazon VPC), and AWS Outposts.

- **Node Type**: Amazon ElastiCache offers a wide selection of node types to allow you to choose the appropriate mix of memory, CPU, and network performance for your application.
- **Serverless**: Serverless caches offer the easiest way to get started with ElastiCache. You create a cache and you are billed for the resources consumed by your application.
- **Data tiering**: Data tiering provides a cost-effective way to use larger Redis clusters. Data tiering automatically stores the least frequently accessed data on SSDs, which are cheaper than memory. Frequently accessed data is stored in memory.
- **Reserved nodes**: Reserved nodes give you the ability to make a one-time payment for each node you want to reserve and in turn receive a significant discount on the hourly charge for that node.

How will I be charged and billed for my use of ElastiCache?

ElastiCache bills you for the resources you provision, or for the resources you use if you have a Serverless cache. The amount billed is reduced by the number of hours in the month that you qualify for the AWS Free Tier. For more information about your monthly charges and how they are calculated, see the Amazon Web Services Billing and Cost Management User Guide.

How are ElastiCache Processing Units (ECPUs) calculated?

ElastiCache Processing Units (ECPUs) are a unit of measure that abstracts the compute resources required to serve the request. One ECPU can be used to perform a simple read request of 1 KB size per second. Any write request and any request that uses Lua scripts or other complex operations consumes more than 1 ECPU. For example, a request that writes 3.2 KB of data will consume 4 ECPUs (3.2 KB rounded up to the next 1 KB). A request that reads 6.5 KB of data will consume 7 ECPUs (6.5 KB rounded up to the next 1 KB).

How are data transfer costs calculated between Amazon EC2 and ElastiCache?

There is no charge for data transfer between Amazon EC2 and ElastiCache nodes in the same Availability Zone. Data transfer between Amazon EC2 and ElastiCache nodes in different Availability Zones of the same Region will be charged at $0.01 per GB in each direction. There are many AWS services that you can use from Amazon EC2 at no cost. You are not charged for data transfer between Amazon EC2 and other AWS services that are in the same AWS Region. If the Amazon EC2 instance and the AWS service you are using are in different Regions, inter-Region Amazon EC2 data transfer rates will apply.

When does billing of my ElastiCache Serverless cache begin and end?

Billing for ElastiCache Serverless begins when a cache is created and ends when the cache is deleted. Deactivate the idle caches and delete the unused caches to avoid unnecessary charges.

When does billing of my ElastiCache on-demand nodes begin and end?

Billing for ElastiCache on-demand nodes begins when a node is created. Billing is prorated and terminates when the node is deleted or terminated.

What defines ElastiCache node hours?

Node hours consumed are billed for each hour or partial hour a node is running. Each node is charged separately. If a node runs for only a portion of an hour, you are billed for the time used.

Do ElastiCache prices include taxes?

Unless otherwise stated, ElastiCache prices do not include taxes. Learn more about taxes in AWS billing.

Next steps