Amazon DynamoDB pricing

Pricing options

DynamoDB charges for reading, writing, and storing data in your DynamoDB tables, along with any optional features you choose to enable. With two pricing options available including on-demand and provisioned, you can choose the best pricing option for your workload.

Pricing for on-demand capacity mode

DynamoDB on-demand mode is a serverless option with pay-per-request pricing and automatic scaling, without the need to plan, provision, and manage capacity. You are billed per read or write request consumed, making it easy to balance costs and performance.

On-demand mode is recommended in most scenarios including if you:

- Have new or existing workloads and you do not want to manage capacity
- Want a serverless database that automatically scales
- Prefer the ease of paying for only what you use

Learn more about on-demand pricing »

Pricing for provisioned capacity mode

With provisioned capacity mode, you must specify the number of reads and writes per second that you expect your application to require. You'll be charged based on the hourly read and write capacity you have provisioned, and not how much your application has consumed.

Provisioned capacity mode may be better if you:

- Have existing applications with steady and predictable throughput patterns
- Can forecast capacity requirements to control costs

Learn more about provisioned pricing »

Database Savings Plans

Database Savings Plans are a flexible pricing model that offers savings in exchange for a commitment to a specific amount of usage (measured in $/hour) over a 1-year term. You can learn more about eligible DynamoDB usage on the Database Savings Plans pricing page.

How to calculate costs

The best way to calculate the monthly cost of DynamoDB is to utilize the AWS Pricing Calculator. This simple, interactive tool provides the ability to estimate monthly costs based on read and write throughput along with chargeable options, including change data capture, data import and export to Amazon S3, and backup and restore.

To easily calculate your DynamoDB monthly costs, you simply input your application requirements such as table class and data storage along with read and write throughput. You can also include popular options, such as backup and restore, and select between on-demand and provisioned capacity billing models.

Not sure where to start? AWS specialists are standing by to provide you with a personalized quote.

Cost optimization

Optimize storage cost by choosing the right table class for your DynamoDB table

Using the DynamoDB Standard-IA table class can reduce costs for tables that store data you don't access frequently. That said, be aware that DynamoDB reads and writes for this table class are priced higher than for standard tables.

Learn more about DynamoDB cost optimization »

Use cost allocation tags for DynamoDB

Tagging for DynamoDB provides granular visibility into your DynamoDB bill. You can assign tags to your tables and see the cost breakouts per table to help with cost optimization by usage.

Learn more about cost allocation tags for DynamoDB »

Usage and pricing scenarios

Scenario 1: On-demand capacity pricing

Pricing can be calculated for on-demand usage, particularly if your usage fluctuates or you're unsure what your traffic patterns will be.

Read the full detailed Amazon DynamoDB on-demand pricing example here.

Scenario 2: Provisioned capacity pricing

Pricing is calculated for an auto-scaling-enabled table with the provisioned capacity mode. Auto scaling continuously sets provisioned capacity in response to actual consumed capacity—so that actual utilization stays near target utilization.

Read the full detailed Amazon DynamoDB provisioned pricing example here.

Next steps

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