

Amazon DynamoDB

Serverless, NoSQL, fully managed database with single-digit millisecond performance at any scale

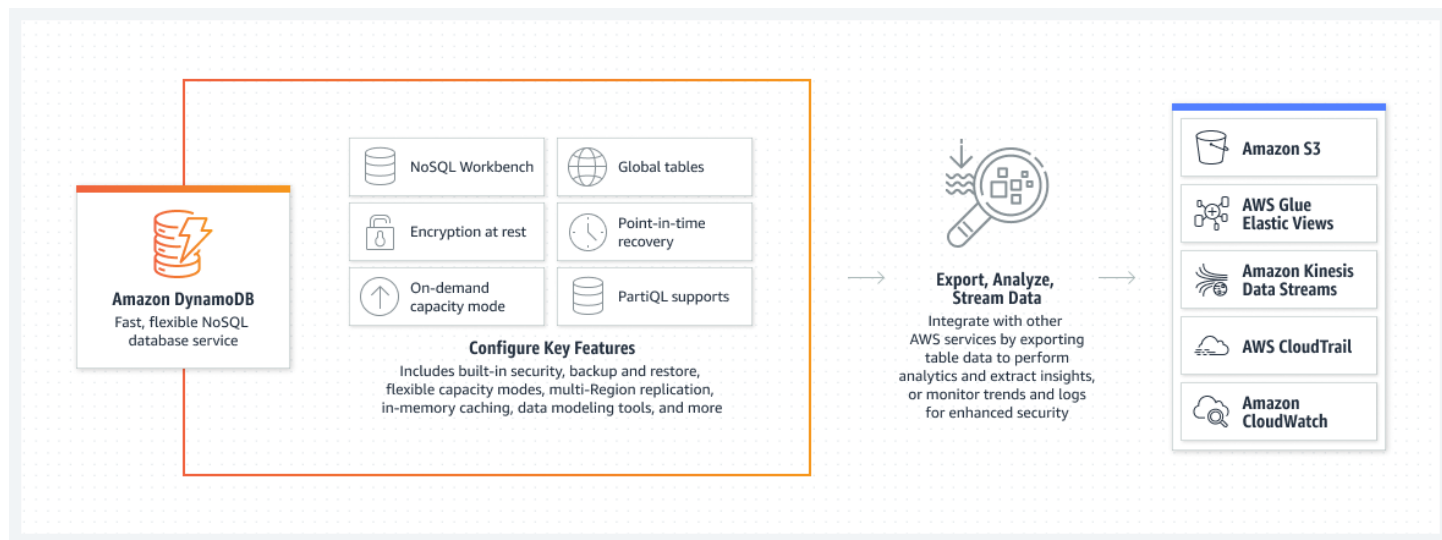
Amazon DynamoDB is a serverless, NoSQL database service that enables you to develop modern applications at any scale. As a serverless database, you only pay for what you use. DynamoDB offers a broad set of security controls and compliance standards. For globally distributed applications, DynamoDB global tables is a multi-Region, multi-active database with a 99.999% availability SLA and increased resilience. DynamoDB reliability is supported with managed backups, point-in-time recovery, and more. With DynamoDB streams, you can build serverless event-driven applications.

Benefits

- **Extreme performance:** Uses in-memory acceleration to deliver low latency for read workloads.
- **Fully managed:** Doesn't require manual provisioning, set up, or patching.
- **Highly scalable:** Automatically scales on demand.
- **Secure:** Provides built-in security features and integrates with AWS services.
- **Supports point-in-time recovery:** Maintains incremental backups and restores data up to 35 days.

How It Works

As a NoSQL database, DynamoDB supports both key-value and document data models. Additionally, DynamoDB integrates with a variety of AWS services to build serverless applications that can start small and scale globally.



Use Cases

Software applications
Build applications that support high-throughput and low latency access.

Gaming
Handle player data, session history, and leaderboards

Retail
Store product catalogs, user profiles, and transaction data.

IoT applications
Capture data from IoT (Internet of Things) devices in large volumes.

Real-time analytics
Analyze data from dashboards and applications in real-time.