

Clumio Backup and Recovery for Amazon DynamoDB

Improve Application Resilience With Up To 50% Cost Savings

DynamoDB is the database of choice for modern, cloud-native, and AI applications that require large-scale, high velocity data. Application owners, cloud operators, security teams, and FinOps teams need resiliency of these applications and their data to minimize the business impact from security breaches, outages, and accidents.

Resiliency is critical given that DynamoDB is subject to AWS' Shared Responsibility Model: AWS is responsible for the security and uptime of the service and the platform, and AWS customers are responsible for the backup and security of their data.

Clumio's industry-leading DynamoDB backup and recovery delivers enhanced protection compared to AWS Backup and Point-in-Time Recovery (PITR) for Amazon DynamoDB. Clumio helps protect data from cyber disruptions and enables rapid recovery, while helping reduce costs versus alternate solutions.

- **Increase App Resilience:** Clumio delivers air gapped cloud data protection, strengthening resilience for DynamoDB-powered applications. Clumio helps protect against ransomware attacks, operational issues, regional outages, and human error such as accidental deletions.
- **Reduce Backup Costs:** Clumio customers can save as much as 50% on DynamoDB backup costs, while remaining compliant with SLAs and regulatory requirements. Clumio delivers incremental backups, only backing up data that has changed since the last backup.
- **Rapidly Recover Business-Critical Applications:** Clumio enables full-table recovery, granular record-level recovery, point-in-time recovery, and in-place recovery to a previous state (Backtrack), reducing recovery time objectives (RTOs) from hours to as little as minutes.
- **Simplified Management with Backup-as-a-Service:** Clumio's backup-as-a-service offers freedom from managing backups manually, and features a single pane of glass for automated, policy-based backups and compliance reports.



By using Clumio to manage hundreds of terabytes of DynamoDB data, we realized a 70% cost reduction in backup costs and met our RPO targets.

Fabio Lessa
VP of Engineering, Duolingo

WHY CHOOSE CLUMIO?



COST EFFICIENCY WITH INCREMENTAL BACKUPS

Incremental backups are faster than full and differential backups and save storage space. With Clumio, ongoing backups are incremental after the initial backup, delivering a recovery point objective (RPO) as low as 15 minutes and up to 50% in cost savings without impacting application performance.



RESILIENCE WITH AIR GAPPING

Clumio stores backups outside a customer's security domain by default for an additional layer of security against ransomware attacks, regional outages, and accidental deletions. Backups are encrypted in-flight and at-rest with separate encryption keys to prevent being compromised or deleted.



RAPID GRANULAR RESTORES AND PARALLEL REHYDRATION

Clumio delivers scale-out parallel rehydration for rapid restores. It also supports querying and restoring at a granular record level.



SCALE WITH A SERVERLESS ENGINE

Clumio's SaaS solution is a stateless data processing pipeline built on a serverless orchestration engine. It can scale to protect hundreds of terabytes of DynamoDB data.



MINIMAL MANAGEMENT OVERHEAD WITH BACKUP-AS-A-SERVICE

Clumio reduces backup management needs, consolidating data protection tasks across workloads into a single interface operable through an intuitive UI or as code. It is hands-off and connects to AWS accounts through minimal IAM roles, with no agents or storage to manage.

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