

Maxwell Health reduces backup storage costs by 90 percent

Rubrik Datos IO enables efficient cloud-native backups for NoSQL databases on AWS

Maxwell Health provides human resources management services that simplify the process of creating and managing employee benefits plans and payroll for small and medium-sized businesses. The company delivers these services for its customers on a software-as-a-service (SaaS) platform that includes a marketplace to make benefits selections intuitive for employees. The Maxwell Health platform runs on Amazon Web Services (AWS) and uses MongoDB databases to populate information for its various customer-facing applications.

Maxwell Health needed to backup MongoDB database cluster on AWS and meet a two-hour service level agreement (SLA) for data recovery. Its backup and recovery systems were complex and cost-prohibitive, with lengthy recovery times. The company simply needed a more modern, cost-effective backup and restore strategy for its cloud data.

Incremental cloud-native backups

With the previous backup and recovery system, “we could only do a full backup every hour and it was very expensive,” says Ashley Penney, Maxwell Health’s Director of Infrastructure. “There were times when we needed to restore and we could be waiting all day for the restore.”

When evaluating several cloud-based backup options, Maxwell Health tested Rubrik Datos IO RecoverX on AWS. Impressed with its capabilities, the company replaced its system of snapshots and scripts with RecoverX, an automated, application-consistent backup and recovery solution. Maxwell Health launched RecoverX as an Amazon Machine Image (AMI) on Amazon Elastic Compute Cloud (EC2) to back up cloud-native MongoDB workloads on Amazon Simple Storage Service (S3) for short-term storage, and on Amazon Glacier for longer-term storage. The solution automates incremental backups of MongoDB workloads to Amazon S3 on an hourly basis and sets policies for long-term storage to Amazon Glacier.

PROTECTING CLOUD-NATIVE APPLICATIONS AND NOSQL DATABASES

RecoverX on AWS enabled Maxwell Health to:

- Automate incremental backup and recovery.
- Achieve a guaranteed four-hour backup SLA and a two-hour recovery SLA.
- Reduce storage costs by 90 percent.
- Lower recovery time by 30 percent.

CHALLENGE

Maxwell Health needed to meet SLAs for cloud-native MongoDB workload backups and address spiraling storage costs associated with its third-party solution.

SOLUTION

RecoverX is a cloud-native solution from Rubrik Datos IO that enables incremental backups of MongoDB cluster workloads on AWS, faster data recoveries, and better storage utilization than Maxwell Health’s previous solution.

RESULTS

RecoverX helped Maxwell Health meet a four-hour backup SLA and a two-hour recovery SLA for its MongoDB workloads on AWS. The company also realized a 90 percent reduction in storage costs and lowered its recovery time by 30 percent.

Improved recovery time and significant cost savings

RecoverX on AWS affords Maxwell Health more flexibility and reliability than its previous solution, enabling the company to back up its MongoDB workloads at preferred data increments and intervals. The solution provides a semantic deduplication process which decreases the amount of backup data, lowering storage capacity requirements for the company. "We've gone from storing 110 terabytes to storing 183 gigabytes. That is a huge savings for us," says Penney. In addition, the deduplication method used during backup allows for a recovery process that writes one application-consistent copy of the data. The ability to restore a single copy of the data enables the company to significantly reduce recovery times.

Maxwell Health is now able to meet four-hour SLAs for backups and two-hour SLAs for recovery. The company also reduced its data recovery time by 30 percent and achieved 90 percent reduction in storage costs, resulting in a 300 percent ROI in the first 12 months.

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Ashley Penney, Director of Infrastructure, Maxwell Health

RECOVERX PROVIDES APPLICATION-CENTRIC BACKUP FOR CLOUD-NATIVE WORKLOADS

Rubrik Datos IO RecoverX is a scale-out, elastic software-only data management platform that runs on-premises or natively on AWS. It delivers point-in-time backup and recovery for NoSQL and non-relational databases, including Apache Cassandra, MongoDB, DataStax Enterprise, and Amazon DynamoDB. With a powerful policy-based data protection engine, the solution enables organizations to schedule backup policies at any granularity that they need and automate the process of test and development refreshes. Its point-in-time backup copies use cluster consistent versioning for reliable backups while semantic deduplication processes provide up to 10 times greater storage utilization.

Rubrik Datos IO

ABOUT RUBRIK DATOS IO

Rubrik Datos IO offers an application-centric cloud data management solution for multi-cloud environments. The company helps organizations embrace the cloud with confidence by delivering solutions that protect, recover, mobilize, and monetize data at scale. Learn more about [RecoverX on AWS](#).