

CUSTOMER CASE STUDY

Maxwell Health Reduces Backup Storage Costs by 90% with Datas IO

Datos IO provides the industry’s first cloud-scale, application-centric, data management platform enabling organizations to protect, mobilize, and monetize all their application data across private cloud, hybrid cloud and public cloud environments.

To learn more, visit www.datos.io

The Customer

Maxwell Health is an H/R benefits management service that simplifies the process of creating and managing employee health plans, benefits and payroll for small and medium-sized businesses. They deliver a cloud-based SaaS platform for their customers that includes a marketplace to make selecting benefits intuitive for employees. The cloud-based SaaS platform runs on Amazon AWS public cloud and uses MongoDB databases for critical data requirements.

The Need

Maxwell Health’s challenges are summarized in two broad categories.

The first challenge is **backup and recovery of MongoDB in AWS public cloud**. Maxwell Health built their online business application using a microservices- based cloud-native application architecture. The microservices are deployed natively in AWS, and use underlying MongoDB databases to populate information for different customer-facing platforms. Their core online product is based on this web-scale cloud-based application and any data loss is detrimental to their business. Maxwell Health requires the ability to backup multiple MongoDB databases and recover from any data loss with an SLA of 2 hours.

The second challenge is **test cluster refresh using production data**. Maxwell Health has multiple production and test clusters, and they implement continuous integration and continuous development (CI/CD) methodologies.



Maxwell Health Achieved



SLA of 4 Hours

Using RecoverX, Maxwell Health was able to replace a homegrown solution of snapshots and scripts with a fully automated backup and recovery solution for multiple MongoDB databases that achieved an SLA of less than 4 hours along with massive operational cost savings, including:

- 90% reduction in AWS S3 backup storage costs
- 30% reduction in recovery time versus native MongoDB backup solution
- 300% ROI in the first 12 months



Initially, they used snapshots and home-grown scripts to address these challenges but they were constantly challenged with high S3 storage costs and the process for refreshing their test clusters daily was manual, cumbersome, and time consuming. They needed a data management solution that could achieve enterprise-level data protection with an SLA of <4 hours while also automating the refresh of test clusters using production data at regular intervals to clusters of different topologies.



The Solution

Maxwell deployed Datas IO RecoverX to meet their cloud backup and recovery requirements. RecoverX was deployed within 15 minutes using the AMI (Amazon Machine Image) in the cloud as a complete solution.



The Results

With Datas IO, Maxwell Health achieved 90% reduction in AWS S3 backup storage costs, 30% reduction in recovery time versus a native MongoDB backup solution, 300% ROI in the first 12 months, and a guaranteed 4-hour backup SLA, 2-hour recovery SLA. Because RecoverX offers fully orchestrated recovery back to any MongoDB database cluster with any topology, they are also able to restore their production data into test clusters in a fully automated manner.



About Datas IO

Datos IO is the application centric data management company for the multi-cloud world. Datas IO delivers a radically novel approach to data management, helping organizations embrace the cloud with confidence by delivering solutions that protect, mobilize, and monetize their data — at scale. Unlike traditional data protection solutions that protect applications either at a VM-level or at a storage LUN-level, Datas IO has reinvented data protection by eliminating any dependencies on VM or LUN constructs — thus, enabling a true application centric data management approach. This revolutionary application-centric approach to backup and recovery provides customers with dramatic backup storage efficiency that enable customers to directly backup data to the cloud, provides data management services at a granular level, and enables customers to intelligently move their applications back and forth between public clouds or across cloud environments. Backed by Lightspeed Venture Partners, True Ventures, Network Appliance (NetApp), and Cisco Investments, Datas IO is headquartered in San Jose, California. To learn more, please visit <http://datos.io/>.

Key Challenges

- Cloud-native backups of MongoDB deployed on AWS public cloud
- Reduce spiraling backup storage costs
- Improve backup and recovery SLAs and minimize application downtime
- Automate daily backup and refresh/restore to QA database clusters

Why Datas IO

- The only truly cloud-native backup and recovery solution for MongoDB
- Fully automated, rapid, repair-free recovery in minutes
- Ability to recover to same or different topology cluster
- High-performance to guarantee 4-hour SLA
- API-based architecture and fully featured policy engine allows for ease of day-to-day management